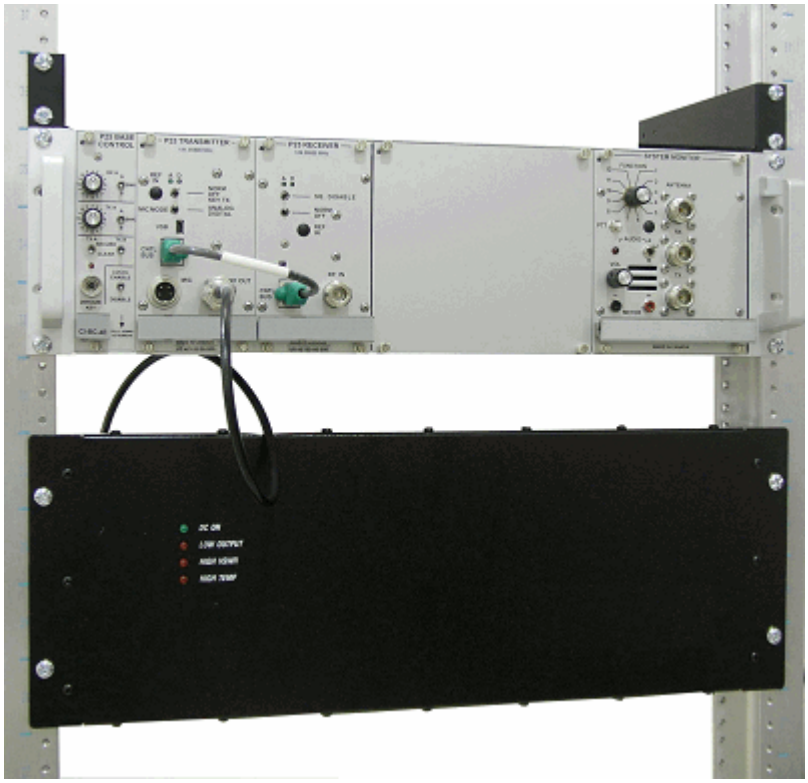
CODAN
RADIO COMMUNICATIONS



Price List for:

United States & International Customers

Phone: 1-800-664-4066
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Valid From: **May 26, 2014**

Price Code: **H1**
Version: **4.09**

Codan Radio Communications is a division of **Daniels Electronics Ltd.**

1. LMR Products

PART NUMBER	DESCRIPTION	LIST PRICE
Product		
7831-35502183	CABLE/DC,MINI-C/2 FEM-OPEN,6FT	$103.00
7831-35502366	CABLE/DC,MINI-C/2 FEM-OPEN,12FT	$103.00
7910-SP0BP065	CABLE,SMA R/A PLG-BNC PLG,65CM TEST ADAPTER	$44.00
A11-FE4-150	RF PRESELECTOR CLASS B, 136-174 MHZ	$441.65
A11-FE4A-150	RF PRESELECTOR CLASS A, 136-174 MHZ	$484.00
A11-RX4E-MAIN	RECEIVER MAIN BOARD ASSEMBLY (MT-4E)	$1,415.70
A11-UDB	UNIVERSAL DAUGHTER BOARD, MT-4E RX OR TX	$326.70
A13-FE4-420	RF PRESELECTOR CLASS B, 406-430 MHZ	$417.45
A13-FE4-460	RF PRESELECTOR CLASS B, 450-470 MHZ	$447.70
A13-FE4A-420	RF PRESELECTOR CLASS A, 406-430 MHZ	$598.95
A13-FE4A-460	RF PRESELECTOR CLASS A, 450-470 MHZ	$617.10
A21-TX4E-MAIN	TX MAIN BOARD ASSEMBLY (MT-4E)	$617.10
A21-VPA155-08	TX POWER AMP, 130-180 MHZ	$514.25
A23-UPA450-08	TX POWER AMP, 380-512 MHZ	$502.15
A64-OR4-150	SYNTHESIZER, RX, MT-4E, 136-174 MHZ	$308.55
A64-OR4-440	SYNTHESIZER, RX, MT-4E, 406-470 MHZ	$653.40
A64-OT4-150	SYNTHESIZER, TX, MT-4E, 136-174 MHZ	$713.90
A64-OT4-440	SYNTHESIZER, TX, MT-4E, 406-470 MHZ	$744.15
AC-3E	CROSSBAND E&M CONTROL CARD	$834.90
A-CABLEREEL-01	CABLE REEL, FOR COAX CABLE,YEL	$302.50
AC-CAT-E1	STATUS TONE ENCODER	$199.65
AC-CTCSS-DE1	CTCSS DECODER	$260.15
AC-CTCSS-E1	CTCSS ENCODER	$199.65
AC-CTCSS-TDS-1	MODULE,CTCSS ENC/DEC,BURST,ANI	$260.15
AC-CTCSS-TS-64	MODULE, CTCSS ENCODER/DECODER	$260.15
AC-DCS1	DIGITALLY CODED SQUELCH	$260.15
AC-DTMF-D2	DTMF DECODER	$308.55
AC-MC1	MORSE CODE ID GENERATOR	$532.40
AC-SCS-1RS	16 CHANNEL FREQUENCY SELECT ROTARY SWITCH, 1 SWITCH	$84.70
AC-SCS-2RS	16 CHANNEL FREQUENCY SELECT ROTARY SWITCH, 2 SWITCHES	$163.35
AC-TTS-D-01	MODULE, TWO TONE SEQUENTIAL	$275.00
A-INTERCON-96	REPEATER INTERCONNECT, 96 PIN AUX CONNECTOR AND HOUSING FOR USER-BUILT AUX. CABLES	$66.55
A-MIC-01	MICROPHONE	$223.85
A-MIC-05	MICROPHONE,12 PIN CONN,32" CRD	$281.60
AMP-039-100-D1M	AMP,36-42MHZ,2-5W/100W,MODULR	$1,923.90
AMP-042-040AD1R	AMP/35-50MHZ,1-4W/10-40W,RK	$1,177.00
AMP-046-100-D1M	AMP,42-50MHZ,2-5W/100W,MODULR	$1,923.90
AMP-128-025AD1R	AMP,AIR,118-138M,1-2.5W/10-25W	$3,049.86
AMP-140-100-D1M	AMP,136-144MHZ,5-10W/100W,MODL	$1,654.40
AMP-140-110-D1P	AMP,136-144,60-110W,13.8V,REAR	$2,922.15
AMP-140-110-D1R	AMP,136-144,60-110W,13.8V,RACK	$2,922.15
AMP-140-250-D1R1	AMP,136-144MHZ,5-10W/250W,RACK	$3,927.00
AMP-148-100-D1M	AMP,144-152MHZ,5-10W/100W,MODL	$1,654.40
AMP-148-110-D1P	AMP,144-152,60-110W,13.8V,REAR	$2,922.15
AMP-148-110-D1R	AMP,144-152,60-110W,13.8V,RACK	$2,922.15
AMP-148-250-D1R1	AMP/144-152MHZ,5-10W/250W,RAC	$3,927.00
AMP-155-045BD1R	AMP/136-174MHZ,1-5W/10-45W,RK	$1,232.00
AMP-155-050-D1M	AMP/136-174MHZ,5-10W/50W,5PACK	$1,654.40

PART NUMBER	DESCRIPTION	LIST PRICE
AMP-155-050-D1P	AMP,136-174MHZ,5-10W/50W,B/PNL	$1,760.00
AMP-155-050-D1R	AMP,136-174 MHZ,5-10W/50W,RACK	$1,760.00
AMP-157-100-D1M	AMP,152-162MHZ,5-10W/100W,MODR	$1,654.40
AMP-157-110-D1P	AMP,152-162,60-110W,13.8V,REAR	$2,922.15
AMP-157-110-D1R	AMP,152-162,60-110W,13.8V,RACK	$2,922.15
AMP-157-250-D1R1	AMP,152-162MHZ,5-10W/250W,RACK	$3,927.00
AMP-168-100-D1M	AMP,162-174MHZ,5-10W/100W,MODL	$1,654.40
AMP-168-110-D1P	AMP,162-174,60-110W,13.8V,REAR	$2,922.15
AMP-168-110-D1R	AMP,162-174,60-110W,13.8V,RACK	$2,922.15
AMP-168-250-D1R1	AMP/162-174MHZ,5-10W/250W,RK	$3,927.00
AMP-4-150-30-00	AMPLIFIER, MT-4,138-174MHZ,30W	$1,343.10
AMP-428-050-D1M	AMP/406-450MHZ,5-10W/50W,5PACK	$2,205.50
AMP-428-050-D1R	AMP,406-450MHZ,5-10W/50W,RACK	$1,980.00
AMP-428-100-D1M	AMP,406-450MHZ,5-10W/100W,MODL	$2,205.50
AMP-428-100-D1R	AMP, 406-450MHZ,2-5W/100W,RACK	$2,205.50
AMP-4-410-30-00	AMPLIFIER/MT-4, 380-430MHZ,30W	$1,343.10
AMP-4-470-30-00	AMPLIFIER/MT-4, 450-520MHZ,30W	$1,343.10
AMP-460-050AD1R	AMP/450-470MHZ, 1-4W/10-50W,RCK	$1,122.00
AMP-481-050-D1M	AMP,450-512MHZ,5-10W/50W,5PACK	$2,205.50
AMP-481-050-D1R	AMP,450-512MHZ,5-10W/50W,RACK	$1,980.00
AMP-481-100-D1M	AMP,450-512MHZ,5-10W/100W,MODL	$2,205.50
AMP-481-100-D1R	AMP,450-512MHZ,2W I/P,100W O/P	$2,722.50
AMP-481-150D1R2	AMP,450-512 MHZ,2-5W/150W,RACK	$3,377.00
AMP-787-020AD1R	AMP/768-806MHZ,1-5W/2-20W,RACK	$1,753.40
AMP-787-040BD1R	AMP/768-806MHZ,1-5W/10-40W,RACK	$1,947.00
AMP-787-040CDIS	AMP/768-806MHZ,1-5W/10-40W,MOB	$1,071.40
AMP-787-045AD1R	AMP/768-806MHZ,0.5-3W/5-45W	$1,949.20
AMP-817-080-D1M	AMP, 768-869MHZ,2-5W/80W,5PACK	$2,425.50
AMP-817-080-D1R	AMP, 768-869 MHZ,2-5W/80W,RACK	$2,425.50
AMP-838-020AD1R	AMP/806-896MHZ,1-5W/2-20W	$1,687.40
AMP-838-040BD1R	AMP/806-896MHZ,1-5W/40W,RACK	$1,938.20
AMP-838-040CD1S	AMP/806-896MHZ,1-5W/40W,MOB	$1,067.00
AMP-860-045AD1R	AMP/851-869MHZ,0.5-3W/5-45,RK	$2,019.60
AMP-883-250-A3R	AMP/806-960MHZ,3-6W/250WADJ,RK	$8,846.20
AMP-935-140D1R2	AMPLIFIER,928-942MHZ,2-5W/150W	$3,203.20
AMP-P10-2AA1-C1	POWER AMPLIFIER, 2 W IN/100 W OUT, 30-36 MHZ	$1,923.90
AMP-P10-2AB1-C1	POWER AMPLIFIER, 2 W IN/ 100 W OUT, 36-42 MHZ	$1,923.90
AMP-P10-2AC1-C1	POWER AMPLIFIER, 2 W IN/ 100 W OUT, 42-50 MHZ	$1,923.90
AMP-P15-5DA1-C1	AMP,136-144MHZ,5W I/P,100W O/P	$2,750.00
AMP-P15-5DB1-C1	AMP,144-152MHZ,5W I/P,100W O/P	$2,750.00
AMP-P15-5EA1-C1	AMP,152-162MHZ,5W I/P,100W O/P	$2,750.00
AMP-P15-5EB1-C1	AMP,162-174MHZ,5W I/P,100W O/P	$2,750.00
AMP-P25-2AA1-C1	AMP,30-36MHZ,2.5W I/P,250W O/P	$3,926.45
AMP-P25-2AB1-C1	AMP,36-42MHZ,2.5W I/P,250W O/P	$4,392.30
AMP-P25-2AC1-C1	AMP,42-50MHZ,2.5W I/P,250W O/P	$3,926.45
AMP-PA3-2AB-A-P	AMP, AM,118-136M,2-3W/25W,W/PS	$2,953.50
AMP-PA3-2AB-A-R	AMP,AM,118-136M,2-3W IN,25W OP	$2,145.00
AMP-PA3-2AC-A-P	AMP, AM,118-136M,4-6W/50W,W/PS	$3,828.00
AMP-PA3-2AC-A-R	AMP,AM,118-136M,4-6W IN,50W OP	$3,756.50
AMP-PA3-2BG-HMS	AMP,136-174MHZ,4-8W IN,500W OP	$10,252.00
AMP-PA6-1AC3-RS	AMP,400-512MHZ, 2W IN, 50W O/P	$1,170.40
AMP-PA6-2BF-HMR	AMP,400-512, 5-12W,300W,RLY	$10,692.00
ANT-BASEPLATE-1	BASE PLATE, URBAN, 11" FEET	$605.00
ANT-MASTSYS-01	MAST SYSTEM, 3 METER	$4,235.00
ANT-MASTSYS-02	MAST SYSTEM, 7 METER	$4,833.95
ANT-MASTSYS-03	MAST SYSTEM, 10 METER	$6,655.00

PART NUMBER	DESCRIPTION	LIST PRICE
ANT-MOUNT-1-02	POLE MNT/1-ANT,ART.ARM,BOLSTR	$649.00
ANT-MOUNT-2-01	MOUNT, DUAL ANTENNA, COMPRESSION KIT 24 INCH	$847.00
ANT-TAC-VHF-05	ANTENNA, 138-174MHZ, TACTICAL	$198.00
A-PK-ET-AC-1	KIT,ET-1/ET-4, HI CURRENT AC	$292.60
A-PK-ET-ACDC-1	KIT,ET-1/ET-4,HI CURRENT AC/DC	$591.80
A-PK-ET-DC-1	KIT,ET-1/ET-4, HI CURRENT DC	$550.00
A-PK-ET-DC-2	KIT,ET-1,HI CURRENT DC,45A MAX	$926.20
A-PK-PM3	PARTS KIT, CI-PM-3 CABLES/CONN	$105.00
A-PK-PMUV-A-01	PARTS KIT, FOR SINCLAIR PM	$297.00
A-PK-RELAY-01	PARTS KIT, RF RELAY, W/MTG HDWR	$560.00
A-PK-RELAY-02	PARTS KIT, RF RELAY, FOR ET-6	$572.00
A-PK-RJ45-01	KIT, RJ45CABLE,IP68 CONN/CABLE	$138.60
A-PK-RX3N214	12.5 KHZ MODIFICATION KIT FOR CONVERSION TO NARROWBAND RX	$284.35
A-PNL-AUX96-3	96 POSITION REAR TERMINAL BLOCK, MOUNTED ON BACK PANEL	$332.75
A-PNL-DUP-02	TRAY PANEL FOR COMPROD DUPLEXER & TONE/VOIP CONTROLLERS	$54.45
A-PNL-SCARB-01	SYSTEM CONTROL + ALARM RELAY	$990.00
A-PNL-SP-02	SPEAKER PANEL, 19" X 3U, BLACK	$326.70
APP-CNTLR-00	NETWORKING CONTROLLER SOFTWARE	$5,753.00
APP-CONSOLE-00	CONSOLE CONNECTION CSSI, 1 CHANNEL	$1,000.00
APP-FIRM01-W-XX	FIRMWARE (P25 DIGITAL UPGRADE), MT-4E RECEIVER,VER XX	$2,462.35
APP-FIRM02-W-XX	FIRMWARE (P25 DIGITAL UPGRADE), MT-4E TRANSMITTER, VER XX	$3,194.40
APP-FIRM20-W-XX	FIRMWARE, MT-4E, RX ANALOG, STATUS TONE	$133.10
APP-FIRM30-W-XX	FIRMWARE, REQUIRED WITH ENCRYPT-MT4E-XX	$332.75
APP-FIRM96-W-XX	FIRMWR, UIC FOR TRUNKING CNTLR	$2,200.00
APP-FIRM-PING	FIRMWARE, DIGITAL PING	$500.00
APP-P25TRNK-00	SOFTWARE,NETWORKD TRNK CONTRLR	$18,348.00
APP-RC4M1-WC-10	SOFTWARE,MULTIPLE LINK CONTRLR	$200.00
APP-RSS03-WC-XX	RADIO SERVICE SOFTWARE, RSS4E	$387.20
APP-SERVER-00	SYSTEM CONTROLLER SOFTWARE	$2,000.00
APP-SERVER-01	MULTI-SITE SYSTEM SOFTWARE	$8,000.00
APP-SERVER-02	HIGH-AVAIL CLUSTER SOFTWARE	$8,000.00
APP-SIMULCAST-00	SIMULCAST SOFTWARE	$6,000.00
APP-SIMULCAST-01	SIMULCAST TX SOFTWARE	$1,600.00
APP-TRUNK-01-A	SOFTWARE,TRUNKING CNTLR,1 CHANNEL > 5	$2,000.00
APP-TRUNK-05-A	SOFTWARE,TRUNKING CNTLR,5 CHAN	$10,000.00
APP-UIC-4-01	SOFTWARE, UIC-4	$200.00
APP-UIC-4-02	SOFTWARE, UIC-4, FIXED STATION INTERFACE	$1,996.50
APP-VOTE-00	VOTING SOFTWARE	$2,880.00
APP-VOTE-01	VOTED RX SOFTWARE	$400.00
A-RACK19-AMP-02	RACK, 5 AMPLIFIER MODULES,19"	$495.00
A-TK-01	ALIGNMENT/MAINTENANCE KIT FOR MT-3	$78.65
A-TK-04	ALIGNMENT/MAINTENANCE KIT, MT-4	$127.05
CA-AFSI-01	ANALOG FIXED STATION CARD	$836.00
CA-P25APP-00	CHASSIS/P25, 1RU, W/LED BOARD	$1,452.00
CA-P25APP-01	CONTROLLER CARD, TRANSCEIVER	$352.00
CA-P25APP-02	SIMULCAST PARTS KIT	$825.00
CA-SERVER-02	VOTING SERVER	$4,200.00
CBL223	CABLE/RF, RG223U	$99.00
CBL400-NJ8NP1600	CABLE/LMR400,N JACK-N PLUG,16M	$163.35
CBL400-NJ8NP3100	CABLE/LMR400,N JACK-N PLUG,31M	$296.45
CBL400-NP0NP1600	CABLE/LMR400,N PLUG-N PLUG,16M	$181.50
CBL400-NP0NP3100	CABLE/LMR400,N PLUG-N PLUG,31M	$314.60
CBLAUX-96-1.22	AUXILLIARY CONTROL CABLE, 1.22 M (4 FT.)	$235.95
CBLC40-00812100	CABLE, DA15MALE TO OPEN, CHAN CONTROLLER	$126.50
CBLC40-01025100	INTERCONNECT CABLE, CI-DSP-223, DB-25 TO BARE WIRES (FOR CONNECTION TO A-PNL-AUX96-3)	$96.80

PART NUMBER	DESCRIPTION	LIST PRICE
CBLC40-04225092	CABLE, DB25 MALE-DB25 MALE,3FT	$36.30
CBLC44-20704305	CABLE/USB2.0,A-B(MINI)M-M,10FT	$36.30
CBLC46-12506	CABLE/RJ45 PLUG TO RJ45 PLUG	$48.40
CBLC46-KEYLDR-0	ENCRYPTION KEY LOADER CABLE	$145.20
CBLP30-1442G030	CABLE,PWR,INTER-RACK JMPR,30CM	$17.60
CBLP31-37902183	CABLE, MINI-C/2FEM-12V CIG/LIG ET5,6,MRAY VEHICLE CHARGING	$102.85
CBLP35-15002100	CABLE/DC, DAISY CHAIN, SOLAR, 1M	$36.30
CBLP37-61002189	CABLE 45A,2CT,ITS PLG-OPEN,6FT	$308.00
CBLP37-61502189	CABLE 45A,2CT,ITS PLG-PLG,6FT	$374.00
CBLP37-62002089	CABLE 45A,ITS 2P RCP-LUGS,89 CM	$308.00
CBLP51-35103183	CABLE/AC, MINI C/3-AC PLUG,6FT ET4,6,MRAY	$102.85
CBLP51-35103366	CABLE/AC, MINI C/3-AC PLUG,12FT ET4,6,MRAY	$122.85
CI-BASE-STN-01	P25 BASE STATION CONTROLLER	$7,200.00
CI-BC-4E-00	CONTROL, P25 BASE, LOCAL/REM,E&M	$1,331.00
CI-DLC-1	P25 CONVENTIONAL MULTI-SITE DIGITAL LINK CONTROLLER	$11,700.00
CI-DSP-223	TONE REMOTE ADAPTER	$1,101.10
CI-GPS-01-ANT	ANTENNA KIT,GPS, L BRACKET,TNC	$440.00
CI-GPS-01-CABLE	CABLE,POWER CONTRL,Y STYLE,36"	$27.50
CI-GPS-01-REF	REFERENCE, TM-4, 10MHZ, W/RACK	$2,915.00
CI-GPS-01-REF-PL	REFERENCE, TM-4,10MHZ,CTCSS PL	$3,410.00
CI-GPS-20-REF	TIME & FREQ SYNCH SYSTEM, 10MHZ	$8,467.64
CI-GPS-22-ANT	ANTENNA, GPS OUTDOOR, W/MNT HDWR	$568.37
CI-GPS-22-SURGE	SURGE PROTECTOR ANTENNA, W/MTG	$579.98
CI-IP-223	VOIP REMOTE ADAPTER	$3,146.00
CI-IP-ADAPTER-1	IP ADAPTER,R/C 2-AUDIO DEVICES IP-224	$3,146.00
CI-MODEL66	CONTROLLER, TRANSMITTER	$3,726.80
CI-MODEL66-SDM	MODEL66 WITH SIMULCAST DELAY	$5,225.00
CI-PM-3-00	PAGING INTERFACE CARD	$2,129.60
CI-PM3-ALARM-01	ALARM BOARD,CI-PM-3 PAGING MOD	$1,210.00
CI-RC-4L-00	DIGITAL CROSSBAND LOW CURRENT CONTROL CARD	$834.90
CI-RC-4M-G2	CONTROLLER, P25 REPEATER	$4,325.75
CI-RSWITCH-0	REDUNDANT SWITCH	$2,395.80
CI-VDL-DLP	DELAY LINE PANEL,1U,19"RACK MT	$137.50
CI-VDL-RS-12	DELAY LINE MODULE,12VDC,RS-232	$1,650.00
CI-VOTING-01	P25 VOTING CONTROLLER	$12,800.00
CI-VOTING-SIM-01	P25 VOTING SIMULCAST CONTROLLER	$19,080.00
CP-SC-3	SYNTHESIZER CHANNEL PROGRAMMER	$1,228.15
CT-ISSI-NETWORK-1	P25 RFSS / ISSI NETWORK CONTROLLER	$20,200.00
CT-NETSW-01	NETWORK SWITCH, TRUNKING CNTLR	$2,420.00
CT-NETWORK-01	P25 BASE TRUNKING NETWORK CONTROLLER	$26,880.00
CT-P25TRUNK-05	P25 REDUNDANT SINGLE SITE TRUNKING CONTROLLER	$46,000.00
CT-SERVER-02	SERVER, 1U	$13,200.00
CT-UPS-1U-1	UPS/1U, 750VA/480W, 120VAC	$2,200.00
DUP-132-150JHPN	DUPLEXER, 132-150MHZ,100W,2 MHZ	$2,982.65
DUP-136-174EKPB	DUPLEXER, 136-174MHZ,50W,4.5MHZ	$865.15
DUP-136-174TDHN	DUPLEXER, 136-174M,350W,500KHZ	$2,274.80
DUP-136-174TDRN	DUPLEXER, 136-174M,350W,500KHZ	$3,127.85
DUP-144-174EKAB	DUPLEXER, 144-174M, 50W,4.5MHZ	$726.00
DUP-144-174EKHB	DUPLEXER/6CAV,144-174,50W,4.5M	$1,040.60
DUP-144-174EKPN	DUPLEXER,144-174MHZ,50W,4.5MHZ	$1,021.00
DUP-144-174JHPN	DUPLEXER, 144-174MHZ,100W,2 MHZ	$2,982.65
DUP-350-512EMLB	DUPLEXER, 350-512MHZ,50W,5 MHZ	$798.60
DUP-380-410TMXN	DUPLEXER, 380-410MHZ, 5MHZ SEP	$2,662.50
DUP-406-512EMAB	DUPLEXER,406-512 MHZ,50W,5 MHZ	$726.00
DUP-406-512EMEB	DUPLEXER/6CAV,406-512,50W,5MHZ	$1,069.20
DUP-406-512LMLN	DUPLEXER, 406-512MHZ,125W,5 MHZ	$1,784.75

PART NUMBER	DESCRIPTION	LIST PRICE
DUP-406-512LMRN	DUPLEXER, 406-512MHZ,125W,5 MHZ	$2,323.20
DUP-470-512JJLN	DUPLEXER, T-BAND,3MHZ SEP,100W	$2,395.80
DUP-470-512TJRN	DUPLEXER, 470-512MHZ,3MHZ,350W	$2,343.00
DUP-746-806EWPB	DUPLEXER,746-806MHZ,30M SP,50W	$807.40
DUP-768-806EWAB	DUPLEXER,768-806MHZ,50W,30 MHZ	$605.00
DUP-806-896EYAB	DUPLEXER,806-896MHZ,50W,45 MHZ	$484.00
DUP-806-896EYCB	DUPLEXER,806-896MHZ,50W,45 MHZ	$617.10
DUP-806-896MQUN	DUPLEXER,806-896 MHZ,150W,9MHZ	$2,085.00
DUP-896-960EUPB	DUPLEXER,896-960MHZ,50W,24 MHZ	$617.10
EC-48RD	48 PIN EXTENDER, DIRECT CONNECT FOR USE WITH RF MODULES OR SYSTEM REGULATOR	$254.10
EC-48RK-1.22	48 PIN EXTENDER KIT W/ CABLE	$502.15
EC-96D1	96 PIN EXTENDER CARD	$157.30
EC-96K-1.22	96 PIN EXTENDER KIT W/ CABLE	$695.75
ENCRYPT-MT4E-XX1	ENCRYPTION HARDWARE FOR MT-04E RX/TX - (SUBJECT TO EXPORT CONTROLS)	$1,984.40
ES-1-B20-00	STEEL FREESTANDING 19" RACK CABINET, OPEN FRONT AND BACK, 20 RU HEIGHT	$750.20
ES-1-B20-D0	FLUSH MOUNT RACK DOOR, WITH LOCK FOR USE WITH 20 RU HEIGHT CABINET	$254.10
ES-1-B28-00	STEEL FREESTANDING 19" RACK CABINET, OPEN FRONT AND BACK, 28 RU HEIGHT	$750.20
ES-1-B28-D0	FLUSH MOUNT RACK DOOR, WITH LOCK FOR USE WITH 28 RU HEIGHT CABINET	$254.10
ES-4-D90-01	19" OPEN FRAME RELAY RACK, 90" HEIGHT	$1,796.85
ET-1-A06-00	19" POLYETHYLENETRANSPORTABLE CASE	$4,319.70
ET-1-A09-00	TRANSPORTABLE CASE FOR 9U RACK	$4,761.35
ET-3-03-00	ORANGE 19 "TRANSPORTABLE CASE	$3,327.50
ET-3-03-05	BLACK 19" TRANSPORTABLE CASE, ALUMINUM	$3,327.50
ET-4-A09-00	POLYETHYLENE BRIEFCASE	$1,113.20
ET-4-A09-02	BRIEFCASE PACKAGE INCL. POWER MODULE & ACCESSORY BOX	$2,900.00
ET-4-A-ACC-BOX	BOX / ACCESSORIES ET-4-A09-XX	$199.65
ET-5-M03-00	TACTICAL REPEATER CASE	$1,210.00
ET-6-M03-01	REPEATER/STEALTH,P25 RX/TX/30W BLK EXT	$2,420.00
ET-6-M03-02	REPEATER/STEALTH,P25 RX/TX/30W BLK INT	$2,420.00
ET-MRAY-00	TRANSPORTABLE/MRAY/BLACK CASE	$17,705.00
ET-MRAY-10	TRANSPORTABLE/MRAY/YELLOW CASE	$17,705.00
IM08-MT-4E-TXRX	MANUAL, MT-4E RECEIVER & TRANSMITTER	$36.30
IM10-VR3H040	VR-3H040 SYNTHESIZED RX MANUAL	$36.30
IM12-001	VR-3A130, AM RX MANUAL	$36.30
IM20-VT3H040	VT-3H040 SYNTHESIZED TX MANUAL	$36.30
IM22-001	VT-3A130, AM SYNTHESIZED TX MANUAL	$36.30
IM31-SM3	SYSTEM REGULATOR MANUAL	$36.30
IM35-MB84RX	MULTI RX SUBRACK MANUAL	$36.30
IM35-MB84TX	MULTI TX/AMP SUBRACK MANUAL	$36.30
IM35-SR3MB84	MANUAL, SR-3 SUBRACK/MOTHERBOARD	$36.30
IM42-AC3	MANUAL, AC-3 AUDIO CONTROL	$36.30
IM4E-CD	SOFTWARE MANUAL PACKAGE	$121.00
IM51-CPSC3	SYNTH CHANNEL PROGRAMMER MANUAL	$36.30
IM55-002	MANUAL, P25 BASE CONTROL, CI-BC-4E	$36.30
IM55-003	MANUAL, REDUNDANT SWITCH MODULE	$36.30
IM55-004	MANUAL, RC-4M MULTI LINK CONTROLLER	$36.30
IM55-005	MANUAL, UIC-4, UNIVERSAL INTERFACE CARD	$36.30
IM55-CIPM3	CI-PM-3 PAGING MODULATOR MANUAL	$36.30
IM55-CIRC4L	P25 REPEATER CONTROLLER MANUAL	$36.30
IM57-TRUNK-1	MANUAL, P25 TRUNKING	$110.00

PART NUMBER	DESCRIPTION	LIST PRICE
IM71-001	AMP-2/145/155/170/-30 MANUAL	$36.30
IM71-002	MANUAL, AMP-2/450-30	$36.30
IM71-AMP4-30	MANUAL, POWER AMPLIFIER	$36.30
IM81-002	PSA-12A09-PB-00-UB-00 MANUAL	$36.30
IM81-PSA12X0	PSA-12-40 & PSA-12-60 MANUAL	$36.30
IM81-PSD2	MANUAL, PSD-15-08 DC/DC CONVERTER	$36.30
IM85-001	MANUAL, POWER SUPPLY FOR ET-4	$36.30
IM85-002	MANUAL, ET-4-A09-0X DEPLOYMENT	$36.30
IM85-ET6	MANUAL, ET-6 STEALTH BASE/RPTR	$36.30
IM87-BSSP	SPEAKER PANEL BASE STATION MANUAL	$36.30
IM87-NCONV	NARROWBAND CONVERSION MANUAL	$36.30
PM-PFI-3	POWER FAIL INDICATOR, PMV/U-3	$110.00
PMU-A-438-F-NB1	POWER SENSOR,406-470MHZ,DC O/P	$666.60
PMU-A-491-F-NB1	POWER SENSOR,470-512MHZ,DC O/P	$666.60
PMU-A-776-F-NB1	POWER SENSOR,746-806MHZ,DC O/P	$1,127.50
PMU-A-883-F-NB1	POWER SENSOR,806-960MHZ,DC O/P	$666.60
PMV-A-160-F-NB1	POWER SENSOR,138-174MHZ,DC O/P	$666.60
PSA-12-100-R5-11	POWER SUPPLY, 11.5-15.5VDC/100A	$2,845.00
PSA-12-100-R5-12	100A C/W BATTERY BACK-UP	$2,532.50
PSA-12-15-RB-20	POWER SUPPLY,12VDC/15A CONTIN. RACK MOUNT ET-4	$1,730.30
PSA-12-40-RB-00	POWER SUPPLY,12VDC-40A,RACK MT	$1,700.05
PSA-12-40-RB-10	POWER SUPPLY, 13.8VDC/40A, 2U RK	$606.10
PSA-12-50-R5-11	POWER SUPPLY, 11.5-15.5VDC/50A	$2,125.00
PSA-12-50-R5-12	50A C/W BATTERY BACK-UP	$1,900.00
PSA-12-50-R6-31	BASIC 50A C/W BATTERY BACK, NO FRONT PANEL DISPLAY	$1,125.00
PSA-12-60-RB-00	POWER SUPPLY,12VDC-60A,RACK MT	$2,129.60
PSA-12-80-RB-00	POWER SUPPLY,12VDC/80A,RACK MT	$2,227.50
PSA-12A15-PB-00	POWER SUPPLY,12VDC/15A CONTIN.	$632.50
PSA-12A15-UB-00	POWER SUPPLY,12VDC/15A CONTIN. UNMOUNTED	$632.50
PSA-14-04-S0-07	BATTERY CHARGER, 14 VDS, 4A, CLIPS	$484.00
PSBENC-002	ENCLOSURE/BATTERY, PORTABLE, 12 V, 35 AH	$665.50
PSBENC-005	ENCLOSURE, WITH 100 AH BATTERY	$1,815.00
PSB-P-12V10A502	BATTERY/LEAD ACID, 12V,10.5 AH	$78.65
PSD-12-10-RW-84	CONVERTER, DC/DC,10A,20-60V I/P ISOL, 2U RM	$472.50
PSD-12-40-RW-82	CONVERTER, DC/DC,40A,20-35V I/P ISOL, 2U RM (-40)	$3,567.50
PSD-12-40-RW-85	CONVERTER, DC/DC,40A,40-60V I/P ISOL, 2U RM (-40)	$4,280.00
PSD-12-60-RM-85	CONVERTER, DC/DC,60A,40-60V I/P ISOL, 2U RM	$4,127.50
PSD-15-08-P0-80	CONVERTER, DC/DC,8A,18-36V I/P	$1,089.00
PSD-15-08-P0-90	CONVERTER, DC/DC,8A,36-72V I/P	$1,197.90
PSS-PS-60W-02	SOLAR SYS/FOLDABLE,60W,IN CASE	$2,528.90
PSS-PS-60W-02A	SOLAR SYS/FOLDABLE,60W,NO CASE	$1,512.50
SA-VIB-22	ANTI-VIBRATION KIT	$108.90
SM-3-H0-014-00	SYSTEM REGULATOR	$810.70
SM-3-H0-R1N-00	SYSTEM REGULATOR, 1 ANTENNA RELAY	$1,476.20
SM-3-H0-R2N-00	SYSTEM REGULATOR, 2 ANTENNA RELAYS	$2,141.70
SR-39-1	SUBRACK	$1,040.60
SR-39-3	MULTI RX SUBRACK	$961.95
SR-39-4	MULTI TX/AMP SUBRACK	$1,361.25
UIC-4-00	UNIVERSAL INTERFACE CNTRL, 7HP	$2,329.25
UR-4E380-00-000	RX, MT-4E, UHF 380-406 MHZ	$3,025.00
UR-4E420-00-000	RX, MT-4E ANALOG CLASS B, 406-430 MHZ	$2,462.35
UR-4E420-A0-000	RX, MT-4E ANALOG CLASS A UHF406-430 MHZ	$2,728.55
UR-4E440-00-000	RX, MT-4E, UHF 430-450 MHZ, CL B	$3,630.00
UR-4E460-00-000	RX, MT-4E ANALOG CLASS B, 450-470 MHZ	$2,462.35
UR-4E460-A0-000	RX, MT-4E ANALOG CLASS A UHF450-470 MHZ	$2,728.55
UR-4E500-00-000	RX, MT-4E, ANALOG CLASS B, 470-520 MHZ	$2,728.55

PART NUMBER	DESCRIPTION	LIST PRICE
UR-4E768-00-000	RX, MT-4E, UHF768-776, CLASS B	$3,025.00
UR-4E800-00-000	RX, MT-4E, ANALOG CLASS B, 799-824 MHZ	$3,025.00
UR-4E850-00-000	RX, MT-4E ANALOG, CLASS B, 851-869 MHZ	$3,025.00
UR-4E900-00-000	RX,MT-4E,UHF896-902MHZ,CLASS B	$3,025.00
UR-4E950-00-000	RX,MT-4E,UHF928-960MHZ,CLASS B	$3,025.00
UT-4E380-00-600	TRANSMITTR,MT-4E,UHF380-406MHZ	$2,420.00
UT-4E450-00-800	TX, MT-4E ANALOG, 406-470 MHZ	$1,978.35
UT-4E500-00-800	TX, MT-4E ANALOG, 470-520 MHZ	$1,978.35
UT-4E850-00-300	TX, MT-4E ANALOG, 799-869 MHZ	$2,420.00
UT-4E900-00-300	TRANSMITTR,MT-4E,UHF896-960MHZ	$3,025.00
VR-4E150-00-000	RX, MT-4E ANALOG CLASS B, 136-174 MHZ	$2,129.60
VR-4E150-A0-000	RX, MT-4E ANALOG CLASS A VHF136-174 MHZ	$2,395.80
VT-4E150-00-800	TX, MT-4E ANALOG, 136-174 MHZ	$1,978.35

2. No Discount

PART NUMBER	DESCRIPTION	LIST PRICE
Product		
_ENVTEST AMP-01	ENVIRONMENTAL TEST/AMP,-40/+60C	$425.00
_ENVTEST RECEIVER-01	ENVIRONMENTAL TEST/RX,-40/+60C	$300.00
_ENVTEST TRANSMITTER-01	ENVIRONMENTAL TEST/TX,-40/+60C	$300.00
_SYSTEM_DESIGN	LABOUR/HOUR FOR SYSTEM DESIGN	$200.00
Environmental Product Testing		
_ENVTEST AMP	ENVIRONMENTAL TEST/AMP,-30/+60C	$278.30
_ENVTEST RECEIVER	ENVIRONMENTAL TEST/RX,-30/+60C	$199.65
_ENVTEST TRANSMITTER	ENVIRONMENTAL TEST/TX,-30/+60C	$199.65
Labour		
_LABOUR-CONFIG	LABOUR/HR. NRE AND SYSTEMS DESIGN SUPPORT	$198.00
_LABOUR-SERVICE	LABOUR/HR. FOR REPAIRS, MAINTENANCE ETC.	$151.25
Support Options		
_SUPPORT-OS	ON-SITE SUPPORT/DAY - NORTH AMERICA	$1,500.00
_SUPPORT-OS-AIRF	ON-SITE AIRFARE (STD ECONOMY) - NORTH AMERICA = ACTUAL	Actual
_SUPPORT-OS-DIEM	ON-SITE PER DIEM/DAY - NORTH AMERICA = ACTUAL	$425.00
Extended Warranty Options		
_EXTENDED WARRANTY	ADDITIONAL 1,2,3,4, OR 5 YEARS = % OF THE ORIGINAL PO PRICE TOTAL = ACTUAL	Actual
Training		
TRAINING-01	2-DAY COURSE, PER STUDENT, CODAN LOCATION PRICE PER STUDENT WHICH INCLUDES MANUALS AND COURSE MATERIAL.	$907.50
TRAINING-02	NORTH AMERICAN 2-DAY, 10 STUDENT COURSE, CUSTOMER SITE INCLUDES MANUALS AND COURSE MATERIAL FOR UP TO 10 STUDENTS. HELD AT APPROPRIATE TRAINING FACILITY PROVIDED BY CUSTOMER (INCLUDES AIRFARE, PER DIEM AND SHIPPING)	$9,000.00
TRAINING-04	EXTRA DAY COURSE, PER STUDENT, CODAN LOCATION. INCLUDES MANUALS AND COURSE MATERIALS.	$454.00
TRAINING-05	EXTRA DAY, 10 STUDENTS, CUSTOMER SITE. INCLUDES MANUALS AND COURSE MATERIALS FOR UP TO 10 STUDENTS. (WORLDWIDE)	$2,420.00
TRAINING-06	EXTRA STUDENT, CUSTOMER SITE / PER DAY (PRICE PER EACH ADDITIONAL STUDENT OVER 10) INCLUDES MANUALS AND COURSE MATERIALS (WORLDWIDE)	$200.00
TRAINING-07	INTERNATIONAL 2-DAY, 10 STUDENT COURSE, CUSTOMER SITE (INCLUDES MANUALS, AND COURSE MATERIAL FOR UP TO 10 STUDENTS. HELD AT APPROPRIATE TRAINING FACILITY PROVIDED BY CUSTOMER. (INCLUDES AIRFARE, PER DIEM AND SHIPPING)	$18,000.00

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1. LMR PRODUCTS..... 2

2. NO DISCOUNT..... 9

Horizon Compact+

Part Number	Description	List (USD)	Notes	
Hardware Configurations				
CP-HP-xx-xx-x-S-010-N-00-R2	Standard Hardware	$ 7,500	*Complete Link*	
CP-HP-xx-xx-x-X-010-N-00-R2	Advanced Hardware - Complete Link	$ 8,300	*Complete Link*	
CP-HP-xx-xx-C-x-010-N-00-R2	Copper 100/1000bT (HC Compatible) - Complete Link	$ 7,500	*Complete Link*	*Price reflects standard HW*
CP-HP-xx-xx-S-x-010-N-00-R2	Copper 100/1000bT (Amphenol) - Complete Link	$ 7,500	*Complete Link*	*Price reflects standard HW*
CP-HP-xx-xx-M-x-010-N-00-R2	Mil Spec 100/1000bT - Complete Link	$ 7,900	*Complete Link*	*Price reflects standard HW*
CP-HP-xx-xx-F-x-010-N-00-R2	SX Fiber GigE - Complete Link	$ 8,000	*Complete Link*	*Price reflects standard HW*
CP-HP-xx-xx-L-x-010-N-00-R2	LX Fiber GigE - Complete Link	$ 8,100	*Complete Link*	*Price reflects standard HW*
PL-HP-xx-xx-x-S-010-N-00-R2	Standard Hardware - Low Radio (One End)	$ 3,750	*Half Link*	
PL-HP-xx-xx-x-X-010-N-00-R2	Advanced Hardware - Low Radio (One End)	$ 4,150	*Half Link*	
PL-HP-xx-xx-C-x-010-N-00-R2	Copper 100/1000bT (HC Compatible) - Low Radio (One End)	$ 3,750	*Half Link*	*Price reflects standard HW*
PL-HP-xx-xx-S-x-010-N-00-R2	Copper 100/1000bT (Amphenol) - Low Radio (One End)	$ 3,750	*Half Link*	*Price reflects standard HW*
PL-HP-xx-xx-M-x-010-N-00-R2	Mil Spec 100/1000bT - Low Radio (One End)	$ 3,950	*Half Link*	*Price reflects standard HW*
PL-HP-xx-xx-F-x-010-N-00-R2	SX Fiber GigE - Low Radio (One End)	$ 4,000	*Half Link*	*Price reflects standard HW*
PL-HP-xx-xx-L-x-010-N-00-R2	LX Fiber GigE - Low Radio (One End)	$ 4,050	*Half Link*	*Price reflects standard HW*
PH-HP-xx-xx-x-S-010-N-00-R2	Standard Hardware - High Radio (One End)	$ 3,750	*Half Link*	
PH-HP-xx-xx-x-X-010-N-00-R2	Advanced Hardware - High Radio (One End)	$ 4,150	*Half Link*	
PH-HP-xx-xx-C-x-010-N-00-R2	Copper 100/1000bT (HC Compatible) - High Radio (One End)	$ 3,750	*Half Link*	*Price reflects standard HW*
PH-HP-xx-xx-S-x-010-N-00-R2	Copper 100/1000bT (Amphenol) - High Radio (One End)	$ 3,750	*Half Link*	*Price reflects standard HW*
PH-HP-xx-xx-M-x-010-N-00-R2	Mil Spec 100/1000bT - High Radio (One End)	$ 3,950	*Half Link*	*Price reflects standard HW*
PH-HP-xx-xx-F-x-010-N-00-R2	SX Fiber GigE - High Radio (One End)	$ 4,000	*Half Link*	*Price reflects standard HW*
PH-HP-xx-xx-L-x-010-N-00-R2	LX Fiber GigE - High Radio (One End)	$ 4,050	*Half Link*	*Price reflects standard HW*
Frequency Bands		$ -	*Please consult tuning guide for band availability*	
XX-XX-L6-B1-X-X-010-N-00-R2	Lower 6 GHz Band 1	$ -	*Please consult tuning guide for band availability*	
XX-XX-L6-B2-X-X-010-N-00-R2	Lower 6 GHz Band 2	$ -	*Please consult tuning guide for band availability*	
XX-XX-U6-B1-X-X-010-N-00-R2	Upper 6 GHz Band 1	$ -	*Please consult tuning guide for band availability*	
XX-XX-U6-B2-X-X-010-N-00-R2	Upper 6 GHz Band 2	$ -	*Please consult tuning guide for band availability*	
XX-XX-U6-B3-X-X-010-N-00-R2	Upper 6 GHz Band 3	$ -	*Please consult tuning guide for band availability*	
XX-XX-U6-B4-X-X-010-N-00-R2	Upper 6 GHz Band 4	$ -	*Please consult tuning guide for band availability*	
XX-XX-11-B1-X-X-010-N-00-R2	11 GHz Band 1	$ -	*Please consult tuning guide for band availability*	
XX-XX-11-B2-X-X-010-N-00-R2	11 GHz Band 2	$ -	*Please consult tuning guide for band availability*	
XX-XX-13-B1-X-X-010-N-00-R2	13 GHz Band 1	$ -	*Please consult tuning guide for band availability*	
XX-XX-13-B2-X-X-010-N-00-R2	13 GHz Band 2	$ -	*Please consult tuning guide for band availability*	
XX-XX-15-B1-X-X-010-N-00-R2	15 GHz Band 1	$ -	*Please consult tuning guide for band availability*	
XX-XX-15-B2-X-X-010-N-00-R2	15 GHz Band 2	$ -	*Please consult tuning guide for band availability*	
XX-XX-15-B3-X-X-010-N-00-R2	15 GHz Band 3	$ -	*Please consult tuning guide for band availability*	
XX-XX-15-B4-X-X-010-N-00-R2	15 GHz Band 4	$ -	*Please consult tuning guide for band availability*	
XX-XX-18-B1-X-X-010-N-00-R2	18 GHz Band 1	$ -	*Please consult tuning guide for band availability*	
XX-XX-18-B2-X-X-010-N-00-R2	18 GHz Band 2	$ -	*Please consult tuning guide for band availability*	
XX-XX-18-B3-X-X-010-N-00-R2	18 GHz Band 3	$ -	*Please consult tuning guide for band availability*	
XX-XX-18-B4-X-X-010-N-00-R2	18 GHz Band 4	$ -	*Please consult tuning guide for band availability*	
XX-XX-18-B5-X-X-010-N-00-R2	18 GHz Band 5	$ -	*Please consult tuning guide for band availability*	
XX-XX-23-B1-X-X-010-N-00-R2	23 GHz Band 1	$ -	*Please consult tuning guide for band availability*	
XX-XX-23-B2-X-X-010-N-00-R2	23 GHz Band 2	$ -	*Please consult tuning guide for band availability*	
XX-XX-23-B3-X-X-010-N-00-R2	23 GHz Band 3	$ -	*Please consult tuning guide for band availability*	
XX-XX-38-B1-X-X-010-N-00-R2	38 GHz Band 1	$ -	*Please consult tuning guide for band availability*	
XX-XX-38-B2-X-X-010-N-00-R2	38 GHz Band 2	$ -	*Please consult tuning guide for band availability*	
XX-XX-38-B3-X-X-010-N-00-R2	38 GHz Band 3	$ -	*Please consult tuning guide for band availability*	
XX-XX-38-B4-X-X-010-N-00-R2	38 GHz Band 4	$ -	*Please consult tuning guide for band availability*	
XX-XX-38-B5-X-X-010-N-00-R2	38 GHz Band 5	$ -	*Please consult tuning guide for band availability*	
XX-XX-56-B1-X-X-010-N-00-R2	56 GHz Band 1	$ -	*Please consult tuning guide for band availability*	
XX-XX-56-B2-X-X-010-N-00-R2	56 GHz Band 2	$ -	*Please consult tuning guide for band availability*	
XX-XX-58-B1-X-X-010-N-00-R2	58 GHz Band 1	$ -	*Please consult tuning guide for band availability*	
XX-XX-58-B2-X-X-010-N-00-R2	58 GHz Band 2	$ -	*Please consult tuning guide for band availability*	
All Possible Hardware Part Numbers (Ungroup to View)				
CP-HP-L6-B1-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - Lower 6 GHz Band 1	$ 7,500	*Complete Link*	
CP-HP-L6-B2-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - Lower 6 GHz Band 2	$ 7,500	*Complete Link*	
CP-HP-U6-B1-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - Upper 6 GHz Band 1	$ 7,500	*Complete Link*	
CP-HP-U6-B2-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - Upper 6 GHz Band 2	$ 7,500	*Complete Link*	
CP-HP-U6-B3-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - Upper 6 GHz Band 3	$ 7,500	*Complete Link*	
CP-HP-U6-B4-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - Upper 6 GHz Band 4	$ 7,500	*Complete Link*	
CP-HP-11-B1-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 11 GHz Band 1	$ 7,500	*Complete Link*	
CP-HP-11-B2-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 11 GHz Band 2	$ 7,500	*Complete Link*	
CP-HP-13-B1-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 13 GHz Band 1	$ 7,500	*Complete Link*	
CP-HP-13-B2-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 13 GHz Band 2	$ 7,500	*Complete Link*	
CP-HP-15-B1-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 15 GHz Band 1	$ 7,500	*Complete Link*	
CP-HP-15-B2-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 15 GHz Band 2	$ 7,500	*Complete Link*	
CP-HP-15-B3-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 15 GHz Band 3	$ 7,500	*Complete Link*	
CP-HP-15-B4-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 15 GHz Band 4	$ 7,500	*Complete Link*	

CP-HP-18-B1-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 18 GHz Band 1	$ 7,500	*Complete Link*
CP-HP-18-B2-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 18 GHz Band 2	$ 7,500	*Complete Link*
CP-HP-18-B3-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 18 GHz Band 3	$ 7,500	*Complete Link*
CP-HP-18-B4-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 18 GHz Band 4	$ 7,500	*Complete Link*
CP-HP-18-B5-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 18 GHz Band 5	$ 7,500	*Complete Link*
CP-HP-23-B1-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 23 GHz Band 1	$ 7,500	*Complete Link*
CP-HP-23-B2-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 23 GHz Band 2	$ 7,500	*Complete Link*
CP-HP-23-B3-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 23 GHz Band 3	$ 7,500	*Complete Link*
CP-HP-38-B1-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 38 GHz Band 1	$ 7,500	*Complete Link*
CP-HP-38-B2-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 38 GHz Band 2	$ 7,500	*Complete Link*
CP-HP-38-B3-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 38 GHz Band 3	$ 7,500	*Complete Link*
CP-HP-38-B4-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 38 GHz Band 4	$ 7,500	*Complete Link*
CP-HP-38-B5-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 38 GHz Band 5	$ 7,500	*Complete Link*
CP-HP-56-B1-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 56 GHz Band 1	$ 7,500	*Complete Link*
CP-HP-56-B2-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 56 GHz Band 2	$ 7,500	*Complete Link*
CP-HP-58-B1-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 58 GHz Band 1	$ 7,500	*Complete Link*
CP-HP-58-B2-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 58 GHz Band 2	$ 7,500	*Complete Link*
CP-HP-L6-B1-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Complete Link - Lower 6 GHz Band 1	$ 7,500	*Complete Link*
CP-HP-L6-B2-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Complete Link - Lower 6 GHz Band 2	$ 7,500	*Complete Link*
CP-HP-U6-B1-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Complete Link - Upper 6 GHz Band 1	$ 7,500	*Complete Link*
CP-HP-U6-B2-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Complete Link - Upper 6 GHz Band 2	$ 7,500	*Complete Link*
CP-HP-U6-B3-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Complete Link - Upper 6 GHz Band 3	$ 7,500	*Complete Link*
CP-HP-U6-B4-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Complete Link - Upper 6 GHz Band 4	$ 7,500	*Complete Link*
CP-HP-11-B1-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 11 GHz Band 1	$ 7,500	*Complete Link*
CP-HP-11-B2-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 11 GHz Band 2	$ 7,500	*Complete Link*
CP-HP-13-B1-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 13 GHz Band 1	$ 7,500	*Complete Link*
CP-HP-13-B2-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 13 GHz Band 2	$ 7,500	*Complete Link*
CP-HP-15-B1-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 15 GHz Band 1	$ 7,500	*Complete Link*
CP-HP-15-B2-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 15 GHz Band 2	$ 7,500	*Complete Link*
CP-HP-15-B3-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 15 GHz Band 3	$ 7,500	*Complete Link*
CP-HP-15-B4-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 15 GHz Band 4	$ 7,500	*Complete Link*
CP-HP-18-B1-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 18 GHz Band 1	$ 7,500	*Complete Link*
CP-HP-18-B2-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 18 GHz Band 2	$ 7,500	*Complete Link*
CP-HP-18-B3-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 18 GHz Band 3	$ 7,500	*Complete Link*
CP-HP-18-B4-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 18 GHz Band 4	$ 7,500	*Complete Link*
CP-HP-18-B5-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 18 GHz Band 5	$ 7,500	*Complete Link*
CP-HP-23-B1-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 23 GHz Band 1	$ 7,500	*Complete Link*
CP-HP-23-B2-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 23 GHz Band 2	$ 7,500	*Complete Link*
CP-HP-23-B3-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 23 GHz Band 3	$ 7,500	*Complete Link*
CP-HP-38-B1-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 38 GHz Band 1	$ 7,500	*Complete Link*
CP-HP-38-B2-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 38 GHz Band 2	$ 7,500	*Complete Link*
CP-HP-38-B3-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 38 GHz Band 3	$ 7,500	*Complete Link*
CP-HP-38-B4-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 38 GHz Band 4	$ 7,500	*Complete Link*
CP-HP-38-B5-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 38 GHz Band 5	$ 7,500	*Complete Link*
CP-HP-56-B1-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 56 GHz Band 1	$ 7,500	*Complete Link*
CP-HP-56-B2-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 56 GHz Band 2	$ 7,500	*Complete Link*
CP-HP-58-B1-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 58 GHz Band 1	$ 7,500	*Complete Link*
CP-HP-58-B2-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 58 GHz Band 2	$ 7,500	*Complete Link*
CP-HP-L6-B1-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Complete Link - Lower 6 GHz Band 1	$ 7,900	*Complete Link*
CP-HP-L6-B2-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Complete Link - Lower 6 GHz Band 2	$ 7,900	*Complete Link*
CP-HP-U6-B1-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Complete Link - Upper 6 GHz Band 1	$ 7,900	*Complete Link*
CP-HP-U6-B2-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Complete Link - Upper 6 GHz Band 2	$ 7,900	*Complete Link*
CP-HP-U6-B3-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Complete Link - Upper 6 GHz Band 3	$ 7,900	*Complete Link*
CP-HP-U6-B4-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Complete Link - Upper 6 GHz Band 4	$ 7,900	*Complete Link*
CP-HP-11-B1-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Complete Link - 11 GHz Band 1	$ 7,900	*Complete Link*
CP-HP-11-B2-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Complete Link - 11 GHz Band 2	$ 7,900	*Complete Link*
CP-HP-13-B1-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Complete Link - 13 GHz Band 1	$ 7,900	*Complete Link*
CP-HP-13-B2-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Complete Link - 13 GHz Band 2	$ 7,900	*Complete Link*
CP-HP-15-B1-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Complete Link - 15 GHz Band 1	$ 7,900	*Complete Link*
CP-HP-15-B2-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Complete Link - 15 GHz Band 2	$ 7,900	*Complete Link*
CP-HP-15-B3-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Complete Link - 15 GHz Band 3	$ 7,900	*Complete Link*
CP-HP-15-B4-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Complete Link - 15 GHz Band 4	$ 7,900	*Complete Link*
CP-HP-18-B1-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Complete Link - 18 GHz Band 1	$ 7,900	*Complete Link*
CP-HP-18-B2-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Complete Link - 18 GHz Band 2	$ 7,900	*Complete Link*
CP-HP-18-B3-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Complete Link - 18 GHz Band 3	$ 7,900	*Complete Link*
CP-HP-18-B4-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Complete Link - 18 GHz Band 4	$ 7,900	*Complete Link*
CP-HP-18-B5-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Complete Link - 18 GHz Band 5	$ 7,900	*Complete Link*
CP-HP-23-B1-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Complete Link - 23 GHz Band 1	$ 7,900	*Complete Link*
CP-HP-23-B2-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Complete Link - 23 GHz Band 2	$ 7,900	*Complete Link*
CP-HP-23-B3-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Complete Link - 23 GHz Band 3	$ 7,900	*Complete Link*
CP-HP-38-B1-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Complete Link - 38 GHz Band 1	$ 7,900	*Complete Link*
CP-HP-38-B2-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Complete Link - 38 GHz Band 2	$ 7,900	*Complete Link*
CP-HP-38-B3-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Complete Link - 38 GHz Band 3	$ 7,900	*Complete Link*
CP-HP-38-B4-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Complete Link - 38 GHz Band 4	$ 7,900	*Complete Link*
CP-HP-38-B5-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Complete Link - 38 GHz Band 5	$ 7,900	*Complete Link*

CP-HP-56-B1-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Complete Link - 56 GHz Band 1	$ 7,900	*Complete Link*
CP-HP-56-B2-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Complete Link - 56 GHz Band 2	$ 7,900	*Complete Link*
CP-HP-58-B1-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Complete Link - 58 GHz Band 1	$ 7,900	*Complete Link*
CP-HP-58-B2-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Complete Link - 58 GHz Band 2	$ 7,900	*Complete Link*
CP-HP-L6-B1-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Complete Link - Lower 6 GHz Band 1	$ 8,000	*Complete Link*
CP-HP-L6-B2-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Complete Link - Lower 6 GHz Band 2	$ 8,000	*Complete Link*
CP-HP-U6-B1-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Complete Link - Upper 6 GHz Band 1	$ 8,000	*Complete Link*
CP-HP-U6-B2-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Complete Link - Upper 6 GHz Band 2	$ 8,000	*Complete Link*
CP-HP-U6-B3-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Complete Link - Upper 6 GHz Band 3	$ 8,000	*Complete Link*
CP-HP-U6-B4-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Complete Link - Upper 6 GHz Band 4	$ 8,000	*Complete Link*
CP-HP-11-B1-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Complete Link - 11 GHz Band 1	$ 8,000	*Complete Link*
CP-HP-11-B2-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Complete Link - 11 GHz Band 2	$ 8,000	*Complete Link*
CP-HP-13-B1-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Complete Link - 13 GHz Band 1	$ 8,000	*Complete Link*
CP-HP-13-B2-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Complete Link - 13 GHz Band 2	$ 8,000	*Complete Link*
CP-HP-15-B1-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Complete Link - 15 GHz Band 1	$ 8,000	*Complete Link*
CP-HP-15-B2-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Complete Link - 15 GHz Band 2	$ 8,000	*Complete Link*
CP-HP-15-B3-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Complete Link - 15 GHz Band 3	$ 8,000	*Complete Link*
CP-HP-15-B4-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Complete Link - 15 GHz Band 4	$ 8,000	*Complete Link*
CP-HP-18-B1-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Complete Link - 18 GHz Band 1	$ 8,000	*Complete Link*
CP-HP-18-B2-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Complete Link - 18 GHz Band 2	$ 8,000	*Complete Link*
CP-HP-18-B3-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Complete Link - 18 GHz Band 3	$ 8,000	*Complete Link*
CP-HP-18-B4-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Complete Link - 18 GHz Band 4	$ 8,000	*Complete Link*
CP-HP-18-B5-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Complete Link - 18 GHz Band 5	$ 8,000	*Complete Link*
CP-HP-23-B1-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Complete Link - 23 GHz Band 1	$ 8,000	*Complete Link*
CP-HP-23-B2-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Complete Link - 23 GHz Band 2	$ 8,000	*Complete Link*
CP-HP-23-B3-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Complete Link - 23 GHz Band 3	$ 8,000	*Complete Link*
CP-HP-38-B1-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Complete Link - 38 GHz Band 1	$ 8,000	*Complete Link*
CP-HP-38-B2-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Complete Link - 38 GHz Band 2	$ 8,000	*Complete Link*
CP-HP-38-B3-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Complete Link - 38 GHz Band 3	$ 8,000	*Complete Link*
CP-HP-38-B4-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Complete Link - 38 GHz Band 4	$ 8,000	*Complete Link*
CP-HP-38-B5-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Complete Link - 38 GHz Band 5	$ 8,000	*Complete Link*
CP-HP-56-B1-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Complete Link - 56 GHz Band 1	$ 8,000	*Complete Link*
CP-HP-56-B2-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Complete Link - 56 GHz Band 2	$ 8,000	*Complete Link*
CP-HP-58-B1-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Complete Link - 58 GHz Band 1	$ 8,000	*Complete Link*
CP-HP-58-B2-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Complete Link - 58 GHz Band 2	$ 8,000	*Complete Link*
CP-HP-L6-B1-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Complete Link - Lower 6 GHz Band 1	$ 8,100	*Complete Link*
CP-HP-L6-B2-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Complete Link - Lower 6 GHz Band 2	$ 8,100	*Complete Link*
CP-HP-U6-B1-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Complete Link - Upper 6 GHz Band 1	$ 8,100	*Complete Link*
CP-HP-U6-B2-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Complete Link - Upper 6 GHz Band 2	$ 8,100	*Complete Link*
CP-HP-U6-B3-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Complete Link - Upper 6 GHz Band 3	$ 8,100	*Complete Link*
CP-HP-U6-B4-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Complete Link - Upper 6 GHz Band 4	$ 8,100	*Complete Link*
CP-HP-11-B1-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Complete Link - 11 GHz Band 1	$ 8,100	*Complete Link*
CP-HP-11-B2-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Complete Link - 11 GHz Band 2	$ 8,100	*Complete Link*
CP-HP-13-B1-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Complete Link - 13 GHz Band 1	$ 8,100	*Complete Link*
CP-HP-13-B2-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Complete Link - 13 GHz Band 2	$ 8,100	*Complete Link*
CP-HP-15-B1-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Complete Link - 15 GHz Band 1	$ 8,100	*Complete Link*
CP-HP-15-B2-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Complete Link - 15 GHz Band 2	$ 8,100	*Complete Link*
CP-HP-15-B3-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Complete Link - 15 GHz Band 3	$ 8,100	*Complete Link*
CP-HP-15-B4-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Complete Link - 15 GHz Band 4	$ 8,100	*Complete Link*
CP-HP-18-B1-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Complete Link - 18 GHz Band 1	$ 8,100	*Complete Link*
CP-HP-18-B2-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Complete Link - 18 GHz Band 2	$ 8,100	*Complete Link*
CP-HP-18-B3-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Complete Link - 18 GHz Band 3	$ 8,100	*Complete Link*
CP-HP-18-B4-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Complete Link - 18 GHz Band 4	$ 8,100	*Complete Link*
CP-HP-18-B5-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Complete Link - 18 GHz Band 5	$ 8,100	*Complete Link*
CP-HP-23-B1-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Complete Link - 23 GHz Band 1	$ 8,100	*Complete Link*
CP-HP-23-B2-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Complete Link - 23 GHz Band 2	$ 8,100	*Complete Link*
CP-HP-23-B3-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Complete Link - 23 GHz Band 3	$ 8,100	*Complete Link*
CP-HP-38-B1-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Complete Link - 38 GHz Band 1	$ 8,100	*Complete Link*
CP-HP-38-B2-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Complete Link - 38 GHz Band 2	$ 8,100	*Complete Link*
CP-HP-38-B3-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Complete Link - 38 GHz Band 3	$ 8,100	*Complete Link*
CP-HP-38-B4-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Complete Link - 38 GHz Band 4	$ 8,100	*Complete Link*
CP-HP-38-B5-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Complete Link - 38 GHz Band 5	$ 8,100	*Complete Link*
CP-HP-56-B1-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Complete Link - 56 GHz Band 1	$ 8,100	*Complete Link*
CP-HP-56-B2-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Complete Link - 56 GHz Band 2	$ 8,100	*Complete Link*
CP-HP-58-B1-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Complete Link - 58 GHz Band 1	$ 8,100	*Complete Link*
CP-HP-58-B2-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Complete Link - 58 GHz Band 2	$ 8,100	*Complete Link*
CP-HP-L6-B1-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - Lower 6 GHz Band 1	$ 8,300	*Complete Link*
CP-HP-L6-B2-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - Lower 6 GHz Band 2	$ 8,300	*Complete Link*
CP-HP-U6-B1-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - Upper 6 GHz Band 1	$ 8,300	*Complete Link*
CP-HP-U6-B2-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - Upper 6 GHz Band 2	$ 8,300	*Complete Link*
CP-HP-U6-B3-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - Upper 6 GHz Band 3	$ 8,300	*Complete Link*
CP-HP-U6-B4-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - Upper 6 GHz Band 4	$ 8,300	*Complete Link*
CP-HP-11-B1-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 11 GHz Band 1	$ 8,300	*Complete Link*
CP-HP-11-B2-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 11 GHz Band 2	$ 8,300	*Complete Link*

CP-HP-13-B1-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 13 GHz Band 1	$ 8,300	*Complete Link*
CP-HP-13-B2-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 13 GHz Band 2	$ 8,300	*Complete Link*
CP-HP-15-B1-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 15 GHz Band 1	$ 8,300	*Complete Link*
CP-HP-15-B2-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 15 GHz Band 2	$ 8,300	*Complete Link*
CP-HP-15-B3-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 15 GHz Band 3	$ 8,300	*Complete Link*
CP-HP-15-B4-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 15 GHz Band 4	$ 8,300	*Complete Link*
CP-HP-18-B1-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 18 GHz Band 1	$ 8,300	*Complete Link*
CP-HP-18-B2-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 18 GHz Band 2	$ 8,300	*Complete Link*
CP-HP-18-B3-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 18 GHz Band 3	$ 8,300	*Complete Link*
CP-HP-18-B4-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 18 GHz Band 4	$ 8,300	*Complete Link*
CP-HP-18-B5-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 18 GHz Band 5	$ 8,300	*Complete Link*
CP-HP-23-B1-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 23 GHz Band 1	$ 8,300	*Complete Link*
CP-HP-23-B2-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 23 GHz Band 2	$ 8,300	*Complete Link*
CP-HP-23-B3-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 23 GHz Band 3	$ 8,300	*Complete Link*
CP-HP-38-B1-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 38 GHz Band 1	$ 8,300	*Complete Link*
CP-HP-38-B2-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 38 GHz Band 2	$ 8,300	*Complete Link*
CP-HP-38-B3-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 38 GHz Band 3	$ 8,300	*Complete Link*
CP-HP-38-B4-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 38 GHz Band 4	$ 8,300	*Complete Link*
CP-HP-38-B5-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 38 GHz Band 5	$ 8,300	*Complete Link*
CP-HP-56-B1-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 56 GHz Band 1	$ 8,300	*Complete Link*
CP-HP-56-B2-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 56 GHz Band 2	$ 8,300	*Complete Link*
CP-HP-58-B1-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 58 GHz Band 1	$ 8,300	*Complete Link*
CP-HP-58-B2-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Complete Link - 58 GHz Band 2	$ 8,300	*Complete Link*
CP-HP-L6-B1-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Complete Link - Lower 6 GHz Band 1	$ 8,300	*Complete Link*
CP-HP-L6-B2-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Complete Link - Lower 6 GHz Band 2	$ 8,300	*Complete Link*
CP-HP-U6-B1-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Complete Link - Upper 6 GHz Band 1	$ 8,300	*Complete Link*
CP-HP-U6-B2-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Complete Link - Upper 6 GHz Band 2	$ 8,300	*Complete Link*
CP-HP-U6-B3-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Complete Link - Upper 6 GHz Band 3	$ 8,300	*Complete Link*
CP-HP-U6-B4-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Complete Link - Upper 6 GHz Band 4	$ 8,300	*Complete Link*
CP-HP-11-B1-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 11 GHz Band 1	$ 8,300	*Complete Link*
CP-HP-11-B2-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 11 GHz Band 2	$ 8,300	*Complete Link*
CP-HP-13-B1-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 13 GHz Band 1	$ 8,300	*Complete Link*
CP-HP-13-B2-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 13 GHz Band 2	$ 8,300	*Complete Link*
CP-HP-15-B1-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 15 GHz Band 1	$ 8,300	*Complete Link*
CP-HP-15-B2-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 15 GHz Band 2	$ 8,300	*Complete Link*
CP-HP-15-B3-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 15 GHz Band 3	$ 8,300	*Complete Link*
CP-HP-15-B4-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 15 GHz Band 4	$ 8,300	*Complete Link*
CP-HP-18-B1-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 18 GHz Band 1	$ 8,300	*Complete Link*
CP-HP-18-B2-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 18 GHz Band 2	$ 8,300	*Complete Link*
CP-HP-18-B3-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 18 GHz Band 3	$ 8,300	*Complete Link*
CP-HP-18-B4-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 18 GHz Band 4	$ 8,300	*Complete Link*
CP-HP-18-B5-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 18 GHz Band 5	$ 8,300	*Complete Link*
CP-HP-23-B1-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 23 GHz Band 1	$ 8,300	*Complete Link*
CP-HP-23-B2-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 23 GHz Band 2	$ 8,300	*Complete Link*
CP-HP-23-B3-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 23 GHz Band 3	$ 8,300	*Complete Link*
CP-HP-38-B1-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 38 GHz Band 1	$ 8,300	*Complete Link*
CP-HP-38-B2-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 38 GHz Band 2	$ 8,300	*Complete Link*
CP-HP-38-B3-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 38 GHz Band 3	$ 8,300	*Complete Link*
CP-HP-38-B4-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 38 GHz Band 4	$ 8,300	*Complete Link*
CP-HP-38-B5-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 38 GHz Band 5	$ 8,300	*Complete Link*
CP-HP-56-B1-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 56 GHz Band 1	$ 8,300	*Complete Link*
CP-HP-56-B2-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 56 GHz Band 2	$ 8,300	*Complete Link*
CP-HP-58-B1-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 58 GHz Band 1	$ 8,300	*Complete Link*
CP-HP-58-B2-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Complete Link - 58 GHz Band 2	$ 8,300	*Complete Link*
CP-HP-L6-B1-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Complete Link - Lower 6 GHz Band 1	$ 8,700	*Complete Link*
CP-HP-L6-B2-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Complete Link - Lower 6 GHz Band 2	$ 8,700	*Complete Link*
CP-HP-U6-B1-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Complete Link - Upper 6 GHz Band 1	$ 8,700	*Complete Link*
CP-HP-U6-B2-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Complete Link - Upper 6 GHz Band 2	$ 8,700	*Complete Link*
CP-HP-U6-B3-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Complete Link - Upper 6 GHz Band 3	$ 8,700	*Complete Link*
CP-HP-U6-B4-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Complete Link - Upper 6 GHz Band 4	$ 8,700	*Complete Link*
CP-HP-11-B1-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Complete Link - 11 GHz Band 1	$ 8,700	*Complete Link*
CP-HP-11-B2-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Complete Link - 11 GHz Band 2	$ 8,700	*Complete Link*
CP-HP-13-B1-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Complete Link - 13 GHz Band 1	$ 8,700	*Complete Link*
CP-HP-13-B2-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Complete Link - 13 GHz Band 2	$ 8,700	*Complete Link*
CP-HP-15-B1-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Complete Link - 15 GHz Band 1	$ 8,700	*Complete Link*
CP-HP-15-B2-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Complete Link - 15 GHz Band 2	$ 8,700	*Complete Link*
CP-HP-15-B3-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Complete Link - 15 GHz Band 3	$ 8,700	*Complete Link*
CP-HP-15-B4-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Complete Link - 15 GHz Band 4	$ 8,700	*Complete Link*
CP-HP-18-B1-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Complete Link - 18 GHz Band 1	$ 8,700	*Complete Link*
CP-HP-18-B2-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Complete Link - 18 GHz Band 2	$ 8,700	*Complete Link*
CP-HP-18-B3-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Complete Link - 18 GHz Band 3	$ 8,700	*Complete Link*
CP-HP-18-B4-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Complete Link - 18 GHz Band 4	$ 8,700	*Complete Link*
CP-HP-18-B5-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Complete Link - 18 GHz Band 5	$ 8,700	*Complete Link*
CP-HP-23-B1-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Complete Link - 23 GHz Band 1	$ 8,700	*Complete Link*
CP-HP-23-B2-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Complete Link - 23 GHz Band 2	$ 8,700	*Complete Link*

CP-HP-23-B3-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Complete Link - 23 GHz Band 3	$ 8,700	*Complete Link*
CP-HP-38-B1-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Complete Link - 38 GHz Band 1	$ 8,700	*Complete Link*
CP-HP-38-B2-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Complete Link - 38 GHz Band 2	$ 8,700	*Complete Link*
CP-HP-38-B3-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Complete Link - 38 GHz Band 3	$ 8,700	*Complete Link*
CP-HP-38-B4-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Complete Link - 38 GHz Band 4	$ 8,700	*Complete Link*
CP-HP-38-B5-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Complete Link - 38 GHz Band 5	$ 8,700	*Complete Link*
CP-HP-56-B1-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Complete Link - 56 GHz Band 1	$ 8,700	*Complete Link*
CP-HP-56-B2-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Complete Link - 56 GHz Band 2	$ 8,700	*Complete Link*
CP-HP-58-B1-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Complete Link - 58 GHz Band 1	$ 8,700	*Complete Link*
CP-HP-58-B2-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Complete Link - 58 GHz Band 2	$ 8,700	*Complete Link*
CP-HP-L6-B1-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Complete Link - Lower 6 GHz Band 1	$ 8,800	*Complete Link*
CP-HP-L6-B2-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Complete Link - Lower 6 GHz Band 2	$ 8,800	*Complete Link*
CP-HP-U6-B1-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Complete Link - Upper 6 GHz Band 1	$ 8,800	*Complete Link*
CP-HP-U6-B2-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Complete Link - Upper 6 GHz Band 2	$ 8,800	*Complete Link*
CP-HP-U6-B3-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Complete Link - Upper 6 GHz Band 3	$ 8,800	*Complete Link*
CP-HP-U6-B4-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Complete Link - Upper 6 GHz Band 4	$ 8,800	*Complete Link*
CP-HP-11-B1-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Complete Link - 11 GHz Band 1	$ 8,800	*Complete Link*
CP-HP-11-B2-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Complete Link - 11 GHz Band 2	$ 8,800	*Complete Link*
CP-HP-13-B1-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Complete Link - 13 GHz Band 1	$ 8,800	*Complete Link*
CP-HP-13-B2-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Complete Link - 13 GHz Band 2	$ 8,800	*Complete Link*
CP-HP-15-B1-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Complete Link - 15 GHz Band 1	$ 8,800	*Complete Link*
CP-HP-15-B2-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Complete Link - 15 GHz Band 2	$ 8,800	*Complete Link*
CP-HP-15-B3-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Complete Link - 15 GHz Band 3	$ 8,800	*Complete Link*
CP-HP-15-B4-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Complete Link - 15 GHz Band 4	$ 8,800	*Complete Link*
CP-HP-18-B1-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Complete Link - 18 GHz Band 1	$ 8,800	*Complete Link*
CP-HP-18-B2-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Complete Link - 18 GHz Band 2	$ 8,800	*Complete Link*
CP-HP-18-B3-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Complete Link - 18 GHz Band 3	$ 8,800	*Complete Link*
CP-HP-18-B4-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Complete Link - 18 GHz Band 4	$ 8,800	*Complete Link*
CP-HP-18-B5-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Complete Link - 18 GHz Band 5	$ 8,800	*Complete Link*
CP-HP-23-B1-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Complete Link - 23 GHz Band 1	$ 8,800	*Complete Link*
CP-HP-23-B2-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Complete Link - 23 GHz Band 2	$ 8,800	*Complete Link*
CP-HP-23-B3-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Complete Link - 23 GHz Band 3	$ 8,800	*Complete Link*
CP-HP-38-B1-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Complete Link - 38 GHz Band 1	$ 8,800	*Complete Link*
CP-HP-38-B2-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Complete Link - 38 GHz Band 2	$ 8,800	*Complete Link*
CP-HP-38-B3-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Complete Link - 38 GHz Band 3	$ 8,800	*Complete Link*
CP-HP-38-B4-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Complete Link - 38 GHz Band 4	$ 8,800	*Complete Link*
CP-HP-38-B5-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Complete Link - 38 GHz Band 5	$ 8,800	*Complete Link*
CP-HP-56-B1-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Complete Link - 56 GHz Band 1	$ 8,800	*Complete Link*
CP-HP-56-B2-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Complete Link - 56 GHz Band 2	$ 8,800	*Complete Link*
CP-HP-58-B1-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Complete Link - 58 GHz Band 1	$ 8,800	*Complete Link*
CP-HP-58-B2-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Complete Link - 58 GHz Band 2	$ 8,800	*Complete Link*
CP-HP-L6-B1-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Complete Link - Lower 6 GHz Band 1	$ 8,900	*Complete Link*
CP-HP-L6-B2-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Complete Link - Lower 6 GHz Band 2	$ 8,900	*Complete Link*
CP-HP-U6-B1-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Complete Link - Upper 6 GHz Band 1	$ 8,900	*Complete Link*
CP-HP-U6-B2-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Complete Link - Upper 6 GHz Band 2	$ 8,900	*Complete Link*
CP-HP-U6-B3-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Complete Link - Upper 6 GHz Band 3	$ 8,900	*Complete Link*
CP-HP-U6-B4-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Complete Link - Upper 6 GHz Band 4	$ 8,900	*Complete Link*
CP-HP-11-B1-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Complete Link - 11 GHz Band 1	$ 8,900	*Complete Link*
CP-HP-11-B2-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Complete Link - 11 GHz Band 2	$ 8,900	*Complete Link*
CP-HP-13-B1-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Complete Link - 13 GHz Band 1	$ 8,900	*Complete Link*
CP-HP-13-B2-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Complete Link - 13 GHz Band 2	$ 8,900	*Complete Link*
CP-HP-15-B1-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Complete Link - 15 GHz Band 1	$ 8,900	*Complete Link*
CP-HP-15-B2-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Complete Link - 15 GHz Band 2	$ 8,900	*Complete Link*
CP-HP-15-B3-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Complete Link - 15 GHz Band 3	$ 8,900	*Complete Link*
CP-HP-15-B4-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Complete Link - 15 GHz Band 4	$ 8,900	*Complete Link*
CP-HP-18-B1-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Complete Link - 18 GHz Band 1	$ 8,900	*Complete Link*
CP-HP-18-B2-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Complete Link - 18 GHz Band 2	$ 8,900	*Complete Link*
CP-HP-18-B3-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Complete Link - 18 GHz Band 3	$ 8,900	*Complete Link*
CP-HP-18-B4-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Complete Link - 18 GHz Band 4	$ 8,900	*Complete Link*
CP-HP-18-B5-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Complete Link - 18 GHz Band 5	$ 8,900	*Complete Link*
CP-HP-23-B1-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Complete Link - 23 GHz Band 1	$ 8,900	*Complete Link*
CP-HP-23-B2-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Complete Link - 23 GHz Band 2	$ 8,900	*Complete Link*
CP-HP-23-B3-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Complete Link - 23 GHz Band 3	$ 8,900	*Complete Link*
CP-HP-38-B1-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Complete Link - 38 GHz Band 1	$ 8,900	*Complete Link*
CP-HP-38-B2-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Complete Link - 38 GHz Band 2	$ 8,900	*Complete Link*
CP-HP-38-B3-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Complete Link - 38 GHz Band 3	$ 8,900	*Complete Link*
CP-HP-38-B4-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Complete Link - 38 GHz Band 4	$ 8,900	*Complete Link*
CP-HP-38-B5-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Complete Link - 38 GHz Band 5	$ 8,900	*Complete Link*
CP-HP-56-B1-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Complete Link - 56 GHz Band 1	$ 8,900	*Complete Link*
CP-HP-56-B2-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Complete Link - 56 GHz Band 2	$ 8,900	*Complete Link*
CP-HP-58-B1-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Complete Link - 58 GHz Band 1	$ 8,900	*Complete Link*
CP-HP-58-B2-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Complete Link - 58 GHz Band 2	$ 8,900	*Complete Link*
PL-HP-L6-B1-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - Lower 6 GHz Band 1	$ 3,750	*Half Link*
PL-HP-L6-B2-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - Lower 6 GHz Band 2	$ 3,750	*Half Link*

PL-HP-U6-B1-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - Upper 6 GHz Band 1	$ 3,750	*Half Link*
PL-HP-U6-B2-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - Upper 6 GHz Band 2	$ 3,750	*Half Link*
PL-HP-U6-B3-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - Upper 6 GHz Band 3	$ 3,750	*Half Link*
PL-HP-U6-B4-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - Upper 6 GHz Band 4	$ 3,750	*Half Link*
PL-HP-11-B1-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 11 GHz Band 1	$ 3,750	*Half Link*
PL-HP-11-B2-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 11 GHz Band 2	$ 3,750	*Half Link*
PL-HP-13-B1-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 13 GHz Band 1	$ 3,750	*Half Link*
PL-HP-13-B2-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 13 GHz Band 2	$ 3,750	*Half Link*
PL-HP-15-B1-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 15 GHz Band 1	$ 3,750	*Half Link*
PL-HP-15-B2-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 15 GHz Band 2	$ 3,750	*Half Link*
PL-HP-15-B3-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 15 GHz Band 3	$ 3,750	*Half Link*
PL-HP-15-B4-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 15 GHz Band 4	$ 3,750	*Half Link*
PL-HP-18-B1-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 18 GHz Band 1	$ 3,750	*Half Link*
PL-HP-18-B2-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 18 GHz Band 2	$ 3,750	*Half Link*
PL-HP-18-B3-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 18 GHz Band 3	$ 3,750	*Half Link*
PL-HP-18-B4-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 18 GHz Band 4	$ 3,750	*Half Link*
PL-HP-18-B5-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 18 GHz Band 5	$ 3,750	*Half Link*
PL-HP-23-B1-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 23 GHz Band 1	$ 3,750	*Half Link*
PL-HP-23-B2-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 23 GHz Band 2	$ 3,750	*Half Link*
PL-HP-23-B3-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 23 GHz Band 3	$ 3,750	*Half Link*
PL-HP-38-B1-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 38 GHz Band 1	$ 3,750	*Half Link*
PL-HP-38-B2-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 38 GHz Band 2	$ 3,750	*Half Link*
PL-HP-38-B3-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 38 GHz Band 3	$ 3,750	*Half Link*
PL-HP-38-B4-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 38 GHz Band 4	$ 3,750	*Half Link*
PL-HP-38-B5-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 38 GHz Band 5	$ 3,750	*Half Link*
PL-HP-56-B1-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 56 GHz Band 1	$ 3,750	*Half Link*
PL-HP-56-B2-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 56 GHz Band 2	$ 3,750	*Half Link*
PL-HP-58-B1-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 58 GHz Band 1	$ 3,750	*Half Link*
PL-HP-58-B2-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 58 GHz Band 2	$ 3,750	*Half Link*
PL-HP-L6-B1-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - Lower 6 GHz Band 1	$ 3,750	*Half Link*
PL-HP-L6-B2-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - Lower 6 GHz Band 2	$ 3,750	*Half Link*
PL-HP-U6-B1-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - Upper 6 GHz Band 1	$ 3,750	*Half Link*
PL-HP-U6-B2-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - Upper 6 GHz Band 2	$ 3,750	*Half Link*
PL-HP-U6-B3-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - Upper 6 GHz Band 3	$ 3,750	*Half Link*
PL-HP-U6-B4-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - Upper 6 GHz Band 4	$ 3,750	*Half Link*
PL-HP-11-B1-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 11 GHz Band 1	$ 3,750	*Half Link*
PL-HP-11-B2-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 11 GHz Band 2	$ 3,750	*Half Link*
PL-HP-13-B1-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 13 GHz Band 1	$ 3,750	*Half Link*
PL-HP-13-B2-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 13 GHz Band 2	$ 3,750	*Half Link*
PL-HP-15-B1-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 15 GHz Band 1	$ 3,750	*Half Link*
PL-HP-15-B2-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 15 GHz Band 2	$ 3,750	*Half Link*
PL-HP-15-B3-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 15 GHz Band 3	$ 3,750	*Half Link*
PL-HP-15-B4-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 15 GHz Band 4	$ 3,750	*Half Link*
PL-HP-18-B1-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 18 GHz Band 1	$ 3,750	*Half Link*
PL-HP-18-B2-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 18 GHz Band 2	$ 3,750	*Half Link*
PL-HP-18-B3-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 18 GHz Band 3	$ 3,750	*Half Link*
PL-HP-18-B4-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 18 GHz Band 4	$ 3,750	*Half Link*
PL-HP-18-B5-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 18 GHz Band 5	$ 3,750	*Half Link*
PL-HP-23-B1-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 23 GHz Band 1	$ 3,750	*Half Link*
PL-HP-23-B2-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 23 GHz Band 2	$ 3,750	*Half Link*
PL-HP-23-B3-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 23 GHz Band 3	$ 3,750	*Half Link*
PL-HP-38-B1-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 38 GHz Band 1	$ 3,750	*Half Link*
PL-HP-38-B2-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 38 GHz Band 2	$ 3,750	*Half Link*
PL-HP-38-B3-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 38 GHz Band 3	$ 3,750	*Half Link*
PL-HP-38-B4-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 38 GHz Band 4	$ 3,750	*Half Link*
PL-HP-38-B5-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 38 GHz Band 5	$ 3,750	*Half Link*
PL-HP-56-B1-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 56 GHz Band 1	$ 3,750	*Half Link*
PL-HP-56-B2-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 56 GHz Band 2	$ 3,750	*Half Link*
PL-HP-58-B1-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 58 GHz Band 1	$ 3,750	*Half Link*
PL-HP-58-B2-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 58 GHz Band 2	$ 3,750	*Half Link*
PL-HP-L6-B1-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - Lower 6 GHz Band 1	$ 3,950	*Half Link*
PL-HP-L6-B2-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - Lower 6 GHz Band 2	$ 3,950	*Half Link*
PL-HP-U6-B1-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - Upper 6 GHz Band 1	$ 3,950	*Half Link*
PL-HP-U6-B2-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - Upper 6 GHz Band 2	$ 3,950	*Half Link*
PL-HP-U6-B3-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - Upper 6 GHz Band 3	$ 3,950	*Half Link*
PL-HP-U6-B4-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - Upper 6 GHz Band 4	$ 3,950	*Half Link*
PL-HP-11-B1-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 11 GHz Band 1	$ 3,950	*Half Link*
PL-HP-11-B2-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 11 GHz Band 2	$ 3,950	*Half Link*
PL-HP-13-B1-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 13 GHz Band 1	$ 3,950	*Half Link*
PL-HP-13-B2-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 13 GHz Band 2	$ 3,950	*Half Link*
PL-HP-15-B1-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 15 GHz Band 1	$ 3,950	*Half Link*
PL-HP-15-B2-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 15 GHz Band 2	$ 3,950	*Half Link*
PL-HP-15-B3-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 15 GHz Band 3	$ 3,950	*Half Link*
PL-HP-15-B4-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 15 GHz Band 4	$ 3,950	*Half Link*
PL-HP-18-B1-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 18 GHz Band 1	$ 3,950	*Half Link*

PL-HP-18-B2-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 18 GHz Band 2	$ 3,950	*Half Link*
PL-HP-18-B3-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 18 GHz Band 3	$ 3,950	*Half Link*
PL-HP-18-B4-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 18 GHz Band 4	$ 3,950	*Half Link*
PL-HP-18-B5-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 18 GHz Band 5	$ 3,950	*Half Link*
PL-HP-23-B1-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 23 GHz Band 1	$ 3,950	*Half Link*
PL-HP-23-B2-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 23 GHz Band 2	$ 3,950	*Half Link*
PL-HP-23-B3-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 23 GHz Band 3	$ 3,950	*Half Link*
PL-HP-38-B1-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 38 GHz Band 1	$ 3,950	*Half Link*
PL-HP-38-B2-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 38 GHz Band 2	$ 3,950	*Half Link*
PL-HP-38-B3-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 38 GHz Band 3	$ 3,950	*Half Link*
PL-HP-38-B4-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 38 GHz Band 4	$ 3,950	*Half Link*
PL-HP-38-B5-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 38 GHz Band 5	$ 3,950	*Half Link*
PL-HP-56-B1-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 56 GHz Band 1	$ 3,950	*Half Link*
PL-HP-56-B2-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 56 GHz Band 2	$ 3,950	*Half Link*
PL-HP-58-B1-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 58 GHz Band 1	$ 3,950	*Half Link*
PL-HP-58-B2-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 58 GHz Band 2	$ 3,950	*Half Link*
PL-HP-L6-B1-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit Low - Lower 6 GHz Band 1	$ 4,000	*Half Link*
PL-HP-L6-B2-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit Low - Lower 6 GHz Band 2	$ 4,000	*Half Link*
PL-HP-U6-B1-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit Low - Upper 6 GHz Band 1	$ 4,000	*Half Link*
PL-HP-U6-B2-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit Low - Upper 6 GHz Band 2	$ 4,000	*Half Link*
PL-HP-U6-B3-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit Low - Upper 6 GHz Band 3	$ 4,000	*Half Link*
PL-HP-U6-B4-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit Low - Upper 6 GHz Band 4	$ 4,000	*Half Link*
PL-HP-11-B1-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit Low - 11 GHz Band 1	$ 4,000	*Half Link*
PL-HP-11-B2-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit Low - 11 GHz Band 2	$ 4,000	*Half Link*
PL-HP-13-B1-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit Low - 13 GHz Band 1	$ 4,000	*Half Link*
PL-HP-13-B2-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit Low - 13 GHz Band 2	$ 4,000	*Half Link*
PL-HP-15-B1-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit Low - 15 GHz Band 1	$ 4,000	*Half Link*
PL-HP-15-B2-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit Low - 15 GHz Band 2	$ 4,000	*Half Link*
PL-HP-15-B3-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit Low - 15 GHz Band 3	$ 4,000	*Half Link*
PL-HP-15-B4-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit Low - 15 GHz Band 4	$ 4,000	*Half Link*
PL-HP-18-B1-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit Low - 18 GHz Band 1	$ 4,000	*Half Link*
PL-HP-18-B2-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit Low - 18 GHz Band 2	$ 4,000	*Half Link*
PL-HP-18-B3-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit Low - 18 GHz Band 3	$ 4,000	*Half Link*
PL-HP-18-B4-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit Low - 18 GHz Band 4	$ 4,000	*Half Link*
PL-HP-18-B5-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit Low - 18 GHz Band 5	$ 4,000	*Half Link*
PL-HP-23-B1-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit Low - 23 GHz Band 1	$ 4,000	*Half Link*
PL-HP-23-B2-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit Low - 23 GHz Band 2	$ 4,000	*Half Link*
PL-HP-23-B3-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit Low - 23 GHz Band 3	$ 4,000	*Half Link*
PL-HP-38-B1-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit Low - 38 GHz Band 1	$ 4,000	*Half Link*
PL-HP-38-B2-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit Low - 38 GHz Band 2	$ 4,000	*Half Link*
PL-HP-38-B3-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit Low - 38 GHz Band 3	$ 4,000	*Half Link*
PL-HP-38-B4-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit Low - 38 GHz Band 4	$ 4,000	*Half Link*
PL-HP-38-B5-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit Low - 38 GHz Band 5	$ 4,000	*Half Link*
PL-HP-56-B1-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit Low - 56 GHz Band 1	$ 4,000	*Half Link*
PL-HP-56-B2-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit Low - 56 GHz Band 2	$ 4,000	*Half Link*
PL-HP-58-B1-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit Low - 58 GHz Band 1	$ 4,000	*Half Link*
PL-HP-58-B2-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit Low - 58 GHz Band 2	$ 4,000	*Half Link*
PL-HP-L6-B1-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit Low - Lower 6 GHz Band 1	$ 4,050	*Half Link*
PL-HP-L6-B2-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit Low - Lower 6 GHz Band 2	$ 4,050	*Half Link*
PL-HP-U6-B1-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit Low - Upper 6 GHz Band 1	$ 4,050	*Half Link*
PL-HP-U6-B2-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit Low - Upper 6 GHz Band 2	$ 4,050	*Half Link*
PL-HP-U6-B3-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit Low - Upper 6 GHz Band 3	$ 4,050	*Half Link*
PL-HP-U6-B4-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit Low - Upper 6 GHz Band 4	$ 4,050	*Half Link*
PL-HP-11-B1-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit Low - 11 GHz Band 1	$ 4,050	*Half Link*
PL-HP-11-B2-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit Low - 11 GHz Band 2	$ 4,050	*Half Link*
PL-HP-13-B1-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit Low - 13 GHz Band 1	$ 4,050	*Half Link*
PL-HP-13-B2-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit Low - 13 GHz Band 2	$ 4,050	*Half Link*
PL-HP-15-B1-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit Low - 15 GHz Band 1	$ 4,050	*Half Link*
PL-HP-15-B2-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit Low - 15 GHz Band 2	$ 4,050	*Half Link*
PL-HP-15-B3-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit Low - 15 GHz Band 3	$ 4,050	*Half Link*
PL-HP-15-B4-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit Low - 15 GHz Band 4	$ 4,050	*Half Link*
PL-HP-18-B1-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit Low - 18 GHz Band 1	$ 4,050	*Half Link*
PL-HP-18-B2-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit Low - 18 GHz Band 2	$ 4,050	*Half Link*
PL-HP-18-B3-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit Low - 18 GHz Band 3	$ 4,050	*Half Link*
PL-HP-18-B4-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit Low - 18 GHz Band 4	$ 4,050	*Half Link*
PL-HP-18-B5-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit Low - 18 GHz Band 5	$ 4,050	*Half Link*
PL-HP-23-B1-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit Low - 23 GHz Band 1	$ 4,050	*Half Link*
PL-HP-23-B2-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit Low - 23 GHz Band 2	$ 4,050	*Half Link*
PL-HP-23-B3-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit Low - 23 GHz Band 3	$ 4,050	*Half Link*
PL-HP-38-B1-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit Low - 38 GHz Band 1	$ 4,050	*Half Link*
PL-HP-38-B2-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit Low - 38 GHz Band 2	$ 4,050	*Half Link*
PL-HP-38-B3-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit Low - 38 GHz Band 3	$ 4,050	*Half Link*
PL-HP-38-B4-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit Low - 38 GHz Band 4	$ 4,050	*Half Link*
PL-HP-38-B5-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit Low - 38 GHz Band 5	$ 4,050	*Half Link*
PL-HP-56-B1-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit Low - 56 GHz Band 1	$ 4,050	*Half Link*

PL-HP-56-B2-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit Low - 56 GHz Band 2	$ 4,050	*Half Link*
PL-HP-58-B1-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit Low - 58 GHz Band 1	$ 4,050	*Half Link*
PL-HP-58-B2-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit Low - 58 GHz Band 2	$ 4,050	*Half Link*
PL-HP-L6-B1-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - Lower 6 GHz Band 1	$ 4,150	*Half Link*
PL-HP-L6-B2-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - Lower 6 GHz Band 2	$ 4,150	*Half Link*
PL-HP-U6-B1-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - Upper 6 GHz Band 1	$ 4,150	*Half Link*
PL-HP-U6-B2-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - Upper 6 GHz Band 2	$ 4,150	*Half Link*
PL-HP-U6-B3-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - Upper 6 GHz Band 3	$ 4,150	*Half Link*
PL-HP-U6-B4-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - Upper 6 GHz Band 4	$ 4,150	*Half Link*
PL-HP-11-B1-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 11 GHz Band 1	$ 4,150	*Half Link*
PL-HP-11-B2-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 11 GHz Band 2	$ 4,150	*Half Link*
PL-HP-13-B1-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 13 GHz Band 1	$ 4,150	*Half Link*
PL-HP-13-B2-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 13 GHz Band 2	$ 4,150	*Half Link*
PL-HP-15-B1-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 15 GHz Band 1	$ 4,150	*Half Link*
PL-HP-15-B2-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 15 GHz Band 2	$ 4,150	*Half Link*
PL-HP-15-B3-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 15 GHz Band 3	$ 4,150	*Half Link*
PL-HP-15-B4-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 15 GHz Band 4	$ 4,150	*Half Link*
PL-HP-18-B1-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 18 GHz Band 1	$ 4,150	*Half Link*
PL-HP-18-B2-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 18 GHz Band 2	$ 4,150	*Half Link*
PL-HP-18-B3-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 18 GHz Band 3	$ 4,150	*Half Link*
PL-HP-18-B4-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 18 GHz Band 4	$ 4,150	*Half Link*
PL-HP-18-B5-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 18 GHz Band 5	$ 4,150	*Half Link*
PL-HP-23-B1-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 23 GHz Band 1	$ 4,150	*Half Link*
PL-HP-23-B2-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 23 GHz Band 2	$ 4,150	*Half Link*
PL-HP-23-B3-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 23 GHz Band 3	$ 4,150	*Half Link*
PL-HP-38-B1-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 38 GHz Band 1	$ 4,150	*Half Link*
PL-HP-38-B2-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 38 GHz Band 2	$ 4,150	*Half Link*
PL-HP-38-B3-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 38 GHz Band 3	$ 4,150	*Half Link*
PL-HP-38-B4-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 38 GHz Band 4	$ 4,150	*Half Link*
PL-HP-38-B5-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 38 GHz Band 5	$ 4,150	*Half Link*
PL-HP-56-B1-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 56 GHz Band 1	$ 4,150	*Half Link*
PL-HP-56-B2-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 56 GHz Band 2	$ 4,150	*Half Link*
PL-HP-58-B1-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 58 GHz Band 1	$ 4,150	*Half Link*
PL-HP-58-B2-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit Low - 58 GHz Band 2	$ 4,150	*Half Link*
PL-HP-L6-B1-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - Lower 6 GHz Band 1	$ 4,150	*Half Link*
PL-HP-L6-B2-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - Lower 6 GHz Band 2	$ 4,150	*Half Link*
PL-HP-U6-B1-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - Upper 6 GHz Band 1	$ 4,150	*Half Link*
PL-HP-U6-B2-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - Upper 6 GHz Band 2	$ 4,150	*Half Link*
PL-HP-U6-B3-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - Upper 6 GHz Band 3	$ 4,150	*Half Link*
PL-HP-U6-B4-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - Upper 6 GHz Band 4	$ 4,150	*Half Link*
PL-HP-11-B1-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 11 GHz Band 1	$ 4,150	*Half Link*
PL-HP-11-B2-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 11 GHz Band 2	$ 4,150	*Half Link*
PL-HP-13-B1-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 13 GHz Band 1	$ 4,150	*Half Link*
PL-HP-13-B2-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 13 GHz Band 2	$ 4,150	*Half Link*
PL-HP-15-B1-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 15 GHz Band 1	$ 4,150	*Half Link*
PL-HP-15-B2-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 15 GHz Band 2	$ 4,150	*Half Link*
PL-HP-15-B3-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 15 GHz Band 3	$ 4,150	*Half Link*
PL-HP-15-B4-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 15 GHz Band 4	$ 4,150	*Half Link*
PL-HP-18-B1-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 18 GHz Band 1	$ 4,150	*Half Link*
PL-HP-18-B2-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 18 GHz Band 2	$ 4,150	*Half Link*
PL-HP-18-B3-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 18 GHz Band 3	$ 4,150	*Half Link*
PL-HP-18-B4-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 18 GHz Band 4	$ 4,150	*Half Link*
PL-HP-18-B5-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 18 GHz Band 5	$ 4,150	*Half Link*
PL-HP-23-B1-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 23 GHz Band 1	$ 4,150	*Half Link*
PL-HP-23-B2-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 23 GHz Band 2	$ 4,150	*Half Link*
PL-HP-23-B3-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 23 GHz Band 3	$ 4,150	*Half Link*
PL-HP-38-B1-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 38 GHz Band 1	$ 4,150	*Half Link*
PL-HP-38-B2-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 38 GHz Band 2	$ 4,150	*Half Link*
PL-HP-38-B3-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 38 GHz Band 3	$ 4,150	*Half Link*
PL-HP-38-B4-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 38 GHz Band 4	$ 4,150	*Half Link*
PL-HP-38-B5-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 38 GHz Band 5	$ 4,150	*Half Link*
PL-HP-56-B1-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 56 GHz Band 1	$ 4,150	*Half Link*
PL-HP-56-B2-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 56 GHz Band 2	$ 4,150	*Half Link*
PL-HP-58-B1-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 58 GHz Band 1	$ 4,150	*Half Link*
PL-HP-58-B2-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit Low - 58 GHz Band 2	$ 4,150	*Half Link*
PL-HP-L6-B1-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - Lower 6 GHz Band 1	$ 4,350	*Half Link*
PL-HP-L6-B2-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - Lower 6 GHz Band 2	$ 4,350	*Half Link*
PL-HP-U6-B1-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - Upper 6 GHz Band 1	$ 4,350	*Half Link*
PL-HP-U6-B2-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - Upper 6 GHz Band 2	$ 4,350	*Half Link*
PL-HP-U6-B3-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - Upper 6 GHz Band 3	$ 4,350	*Half Link*
PL-HP-U6-B4-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - Upper 6 GHz Band 4	$ 4,350	*Half Link*
PL-HP-11-B1-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 11 GHz Band 1	$ 4,350	*Half Link*
PL-HP-11-B2-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 11 GHz Band 2	$ 4,350	*Half Link*
PL-HP-13-B1-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 13 GHz Band 1	$ 4,350	*Half Link*

PL-HP-13-B2-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 13 GHz Band 2	$ 4,350	*Half Link*
PL-HP-15-B1-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 15 GHz Band 1	$ 4,350	*Half Link*
PL-HP-15-B2-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 15 GHz Band 2	$ 4,350	*Half Link*
PL-HP-15-B3-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 15 GHz Band 3	$ 4,350	*Half Link*
PL-HP-15-B4-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 15 GHz Band 4	$ 4,350	*Half Link*
PL-HP-18-B1-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 18 GHz Band 1	$ 4,350	*Half Link*
PL-HP-18-B2-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 18 GHz Band 2	$ 4,350	*Half Link*
PL-HP-18-B3-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 18 GHz Band 3	$ 4,350	*Half Link*
PL-HP-18-B4-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 18 GHz Band 4	$ 4,350	*Half Link*
PL-HP-18-B5-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 18 GHz Band 5	$ 4,350	*Half Link*
PL-HP-23-B1-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 23 GHz Band 1	$ 4,350	*Half Link*
PL-HP-23-B2-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 23 GHz Band 2	$ 4,350	*Half Link*
PL-HP-23-B3-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 23 GHz Band 3	$ 4,350	*Half Link*
PL-HP-38-B1-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 38 GHz Band 1	$ 4,350	*Half Link*
PL-HP-38-B2-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 38 GHz Band 2	$ 4,350	*Half Link*
PL-HP-38-B3-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 38 GHz Band 3	$ 4,350	*Half Link*
PL-HP-38-B4-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 38 GHz Band 4	$ 4,350	*Half Link*
PL-HP-38-B5-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 38 GHz Band 5	$ 4,350	*Half Link*
PL-HP-56-B1-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 56 GHz Band 1	$ 4,350	*Half Link*
PL-HP-56-B2-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 56 GHz Band 2	$ 4,350	*Half Link*
PL-HP-58-B1-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 58 GHz Band 1	$ 4,350	*Half Link*
PL-HP-58-B2-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit Low - 58 GHz Band 2	$ 4,350	*Half Link*
PL-HP-L6-B1-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit Low - Lower 6 GHz Band 1	$ 4,400	*Half Link*
PL-HP-L6-B2-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit Low - Lower 6 GHz Band 2	$ 4,400	*Half Link*
PL-HP-U6-B1-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit Low - Upper 6 GHz Band 1	$ 4,400	*Half Link*
PL-HP-U6-B2-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit Low - Upper 6 GHz Band 2	$ 4,400	*Half Link*
PL-HP-U6-B3-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit Low - Upper 6 GHz Band 3	$ 4,400	*Half Link*
PL-HP-U6-B4-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit Low - Upper 6 GHz Band 4	$ 4,400	*Half Link*
PL-HP-11-B1-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit Low - 11 GHz Band 1	$ 4,400	*Half Link*
PL-HP-11-B2-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit Low - 11 GHz Band 2	$ 4,400	*Half Link*
PL-HP-13-B1-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit Low - 13 GHz Band 1	$ 4,400	*Half Link*
PL-HP-13-B2-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit Low - 13 GHz Band 2	$ 4,400	*Half Link*
PL-HP-15-B1-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit Low - 15 GHz Band 1	$ 4,400	*Half Link*
PL-HP-15-B2-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit Low - 15 GHz Band 2	$ 4,400	*Half Link*
PL-HP-15-B3-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit Low - 15 GHz Band 3	$ 4,400	*Half Link*
PL-HP-15-B4-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit Low - 15 GHz Band 4	$ 4,400	*Half Link*
PL-HP-18-B1-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit Low - 18 GHz Band 1	$ 4,400	*Half Link*
PL-HP-18-B2-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit Low - 18 GHz Band 2	$ 4,400	*Half Link*
PL-HP-18-B3-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit Low - 18 GHz Band 3	$ 4,400	*Half Link*
PL-HP-18-B4-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit Low - 18 GHz Band 4	$ 4,400	*Half Link*
PL-HP-18-B5-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit Low - 18 GHz Band 5	$ 4,400	*Half Link*
PL-HP-23-B1-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit Low - 23 GHz Band 1	$ 4,400	*Half Link*
PL-HP-23-B2-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit Low - 23 GHz Band 2	$ 4,400	*Half Link*
PL-HP-23-B3-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit Low - 23 GHz Band 3	$ 4,400	*Half Link*
PL-HP-38-B1-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit Low - 38 GHz Band 1	$ 4,400	*Half Link*
PL-HP-38-B2-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit Low - 38 GHz Band 2	$ 4,400	*Half Link*
PL-HP-38-B3-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit Low - 38 GHz Band 3	$ 4,400	*Half Link*
PL-HP-38-B4-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit Low - 38 GHz Band 4	$ 4,400	*Half Link*
PL-HP-38-B5-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit Low - 38 GHz Band 5	$ 4,400	*Half Link*
PL-HP-56-B1-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit Low - 56 GHz Band 1	$ 4,400	*Half Link*
PL-HP-56-B2-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit Low - 56 GHz Band 2	$ 4,400	*Half Link*
PL-HP-58-B1-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit Low - 58 GHz Band 1	$ 4,400	*Half Link*
PL-HP-58-B2-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit Low - 58 GHz Band 2	$ 4,400	*Half Link*
PL-HP-L6-B1-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit Low - Lower 6 GHz Band 1	$ 4,450	*Half Link*
PL-HP-L6-B2-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit Low - Lower 6 GHz Band 2	$ 4,450	*Half Link*
PL-HP-U6-B1-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit Low - Upper 6 GHz Band 1	$ 4,450	*Half Link*
PL-HP-U6-B2-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit Low - Upper 6 GHz Band 2	$ 4,450	*Half Link*
PL-HP-U6-B3-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit Low - Upper 6 GHz Band 3	$ 4,450	*Half Link*
PL-HP-U6-B4-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit Low - Upper 6 GHz Band 4	$ 4,450	*Half Link*
PL-HP-11-B1-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit Low - 11 GHz Band 1	$ 4,450	*Half Link*
PL-HP-11-B2-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit Low - 11 GHz Band 2	$ 4,450	*Half Link*
PL-HP-13-B1-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit Low - 13 GHz Band 1	$ 4,450	*Half Link*
PL-HP-13-B2-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit Low - 13 GHz Band 2	$ 4,450	*Half Link*
PL-HP-15-B1-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit Low - 15 GHz Band 1	$ 4,450	*Half Link*
PL-HP-15-B2-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit Low - 15 GHz Band 2	$ 4,450	*Half Link*
PL-HP-15-B3-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit Low - 15 GHz Band 3	$ 4,450	*Half Link*
PL-HP-15-B4-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit Low - 15 GHz Band 4	$ 4,450	*Half Link*
PL-HP-18-B1-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit Low - 18 GHz Band 1	$ 4,450	*Half Link*
PL-HP-18-B2-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit Low - 18 GHz Band 2	$ 4,450	*Half Link*
PL-HP-18-B3-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit Low - 18 GHz Band 3	$ 4,450	*Half Link*
PL-HP-18-B4-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit Low - 18 GHz Band 4	$ 4,450	*Half Link*
PL-HP-18-B5-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit Low - 18 GHz Band 5	$ 4,450	*Half Link*
PL-HP-23-B1-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit Low - 23 GHz Band 1	$ 4,450	*Half Link*
PL-HP-23-B2-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit Low - 23 GHz Band 2	$ 4,450	*Half Link*
PL-HP-23-B3-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit Low - 23 GHz Band 3	$ 4,450	*Half Link*

PL-HP-38-B1-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit Low - 38 GHz Band 1	$ 4,450	*Half Link*
PL-HP-38-B2-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit Low - 38 GHz Band 2	$ 4,450	*Half Link*
PL-HP-38-B3-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit Low - 38 GHz Band 3	$ 4,450	*Half Link*
PL-HP-38-B4-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit Low - 38 GHz Band 4	$ 4,450	*Half Link*
PL-HP-38-B5-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit Low - 38 GHz Band 5	$ 4,450	*Half Link*
PL-HP-56-B1-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit Low - 56 GHz Band 1	$ 4,450	*Half Link*
PL-HP-56-B2-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit Low - 56 GHz Band 2	$ 4,450	*Half Link*
PL-HP-58-B1-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit Low - 58 GHz Band 1	$ 4,450	*Half Link*
PL-HP-58-B2-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit Low - 58 GHz Band 2	$ 4,450	*Half Link*
PH-HP-L6-B1-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - Lower 6 GHz Band 1	$ 3,750	*Half Link*
PH-HP-L6-B2-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - Lower 6 GHz Band 2	$ 3,750	*Half Link*
PH-HP-U6-B1-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - Upper 6 GHz Band 1	$ 3,750	*Half Link*
PH-HP-U6-B2-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - Upper 6 GHz Band 2	$ 3,750	*Half Link*
PH-HP-U6-B3-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - Upper 6 GHz Band 3	$ 3,750	*Half Link*
PH-HP-U6-B4-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - Upper 6 GHz Band 4	$ 3,750	*Half Link*
PH-HP-11-B1-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 11 GHz Band 1	$ 3,750	*Half Link*
PH-HP-11-B2-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 11 GHz Band 2	$ 3,750	*Half Link*
PH-HP-13-B1-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 13 GHz Band 1	$ 3,750	*Half Link*
PH-HP-13-B2-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 13 GHz Band 2	$ 3,750	*Half Link*
PH-HP-15-B1-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 15 GHz Band 1	$ 3,750	*Half Link*
PH-HP-15-B2-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 15 GHz Band 2	$ 3,750	*Half Link*
PH-HP-15-B3-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 15 GHz Band 3	$ 3,750	*Half Link*
PH-HP-15-B4-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 15 GHz Band 4	$ 3,750	*Half Link*
PH-HP-18-B1-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 18 GHz Band 1	$ 3,750	*Half Link*
PH-HP-18-B2-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 18 GHz Band 2	$ 3,750	*Half Link*
PH-HP-18-B3-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 18 GHz Band 3	$ 3,750	*Half Link*
PH-HP-18-B4-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 18 GHz Band 4	$ 3,750	*Half Link*
PH-HP-18-B5-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 18 GHz Band 5	$ 3,750	*Half Link*
PH-HP-23-B1-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 23 GHz Band 1	$ 3,750	*Half Link*
PH-HP-23-B2-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 23 GHz Band 2	$ 3,750	*Half Link*
PH-HP-23-B3-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 23 GHz Band 3	$ 3,750	*Half Link*
PH-HP-38-B1-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 38 GHz Band 1	$ 3,750	*Half Link*
PH-HP-38-B2-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 38 GHz Band 2	$ 3,750	*Half Link*
PH-HP-38-B3-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 38 GHz Band 3	$ 3,750	*Half Link*
PH-HP-38-B4-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 38 GHz Band 4	$ 3,750	*Half Link*
PH-HP-38-B5-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 38 GHz Band 5	$ 3,750	*Half Link*
PH-HP-56-B1-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 56 GHz Band 1	$ 3,750	*Half Link*
PH-HP-56-B2-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 56 GHz Band 2	$ 3,750	*Half Link*
PH-HP-58-B1-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 58 GHz Band 1	$ 3,750	*Half Link*
PH-HP-58-B2-C-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 58 GHz Band 2	$ 3,750	*Half Link*
PH-HP-L6-B1-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - Lower 6 GHz Band 1	$ 3,750	*Half Link*
PH-HP-L6-B2-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - Lower 6 GHz Band 2	$ 3,750	*Half Link*
PH-HP-U6-B1-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - Upper 6 GHz Band 1	$ 3,750	*Half Link*
PH-HP-U6-B2-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - Upper 6 GHz Band 2	$ 3,750	*Half Link*
PH-HP-U6-B3-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - Upper 6 GHz Band 3	$ 3,750	*Half Link*
PH-HP-U6-B4-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - Upper 6 GHz Band 4	$ 3,750	*Half Link*
PH-HP-11-B1-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 11 GHz Band 1	$ 3,750	*Half Link*
PH-HP-11-B2-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 11 GHz Band 2	$ 3,750	*Half Link*
PH-HP-13-B1-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 13 GHz Band 1	$ 3,750	*Half Link*
PH-HP-13-B2-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 13 GHz Band 2	$ 3,750	*Half Link*
PH-HP-15-B1-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 15 GHz Band 1	$ 3,750	*Half Link*
PH-HP-15-B2-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 15 GHz Band 2	$ 3,750	*Half Link*
PH-HP-15-B3-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 15 GHz Band 3	$ 3,750	*Half Link*
PH-HP-15-B4-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 15 GHz Band 4	$ 3,750	*Half Link*
PH-HP-18-B1-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 18 GHz Band 1	$ 3,750	*Half Link*
PH-HP-18-B2-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 18 GHz Band 2	$ 3,750	*Half Link*
PH-HP-18-B3-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 18 GHz Band 3	$ 3,750	*Half Link*
PH-HP-18-B4-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 18 GHz Band 4	$ 3,750	*Half Link*
PH-HP-18-B5-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 18 GHz Band 5	$ 3,750	*Half Link*
PH-HP-23-B1-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 23 GHz Band 1	$ 3,750	*Half Link*
PH-HP-23-B2-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 23 GHz Band 2	$ 3,750	*Half Link*
PH-HP-23-B3-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 23 GHz Band 3	$ 3,750	*Half Link*
PH-HP-38-B1-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 38 GHz Band 1	$ 3,750	*Half Link*
PH-HP-38-B2-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 38 GHz Band 2	$ 3,750	*Half Link*
PH-HP-38-B3-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 38 GHz Band 3	$ 3,750	*Half Link*
PH-HP-38-B4-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 38 GHz Band 4	$ 3,750	*Half Link*
PH-HP-38-B5-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 38 GHz Band 5	$ 3,750	*Half Link*
PH-HP-56-B1-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 56 GHz Band 1	$ 3,750	*Half Link*
PH-HP-56-B2-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 56 GHz Band 2	$ 3,750	*Half Link*
PH-HP-58-B1-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 58 GHz Band 1	$ 3,750	*Half Link*
PH-HP-58-B2-S-S-010-N-00-R2	Standard Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 58 GHz Band 2	$ 3,750	*Half Link*
PH-HP-L6-B1-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - Lower 6 GHz Band 1	$ 3,950	*Half Link*
PH-HP-L6-B2-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - Lower 6 GHz Band 2	$ 3,950	*Half Link*
PH-HP-U6-B1-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - Upper 6 GHz Band 1	$ 3,950	*Half Link*

PH-HP-U6-B2-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - Upper 6 GHz Band 2	$ 3,950	*Half Link*
PH-HP-U6-B3-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - Upper 6 GHz Band 3	$ 3,950	*Half Link*
PH-HP-U6-B4-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - Upper 6 GHz Band 4	$ 3,950	*Half Link*
PH-HP-11-B1-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 11 GHz Band 1	$ 3,950	*Half Link*
PH-HP-11-B2-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 11 GHz Band 2	$ 3,950	*Half Link*
PH-HP-13-B1-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 13 GHz Band 1	$ 3,950	*Half Link*
PH-HP-13-B2-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 13 GHz Band 2	$ 3,950	*Half Link*
PH-HP-15-B1-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 15 GHz Band 1	$ 3,950	*Half Link*
PH-HP-15-B2-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 15 GHz Band 2	$ 3,950	*Half Link*
PH-HP-15-B3-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 15 GHz Band 3	$ 3,950	*Half Link*
PH-HP-15-B4-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 15 GHz Band 4	$ 3,950	*Half Link*
PH-HP-18-B1-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 18 GHz Band 1	$ 3,950	*Half Link*
PH-HP-18-B2-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 18 GHz Band 2	$ 3,950	*Half Link*
PH-HP-18-B3-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 18 GHz Band 3	$ 3,950	*Half Link*
PH-HP-18-B4-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 18 GHz Band 4	$ 3,950	*Half Link*
PH-HP-18-B5-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 18 GHz Band 5	$ 3,950	*Half Link*
PH-HP-23-B1-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 23 GHz Band 1	$ 3,950	*Half Link*
PH-HP-23-B2-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 23 GHz Band 2	$ 3,950	*Half Link*
PH-HP-23-B3-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 23 GHz Band 3	$ 3,950	*Half Link*
PH-HP-38-B1-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 38 GHz Band 1	$ 3,950	*Half Link*
PH-HP-38-B2-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 38 GHz Band 2	$ 3,950	*Half Link*
PH-HP-38-B3-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 38 GHz Band 3	$ 3,950	*Half Link*
PH-HP-38-B4-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 38 GHz Band 4	$ 3,950	*Half Link*
PH-HP-38-B5-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 38 GHz Band 5	$ 3,950	*Half Link*
PH-HP-56-B1-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 56 GHz Band 1	$ 3,950	*Half Link*
PH-HP-56-B2-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 56 GHz Band 2	$ 3,950	*Half Link*
PH-HP-58-B1-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 58 GHz Band 1	$ 3,950	*Half Link*
PH-HP-58-B2-M-S-010-N-00-R2	Standard Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 58 GHz Band 2	$ 3,950	*Half Link*
PH-HP-L6-B1-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit High - Lower 6 GHz Band 1	$ 4,000	*Half Link*
PH-HP-L6-B2-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit High - Lower 6 GHz Band 2	$ 4,000	*Half Link*
PH-HP-U6-B1-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit High - Upper 6 GHz Band 1	$ 4,000	*Half Link*
PH-HP-U6-B2-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit High - Upper 6 GHz Band 2	$ 4,000	*Half Link*
PH-HP-U6-B3-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit High - Upper 6 GHz Band 3	$ 4,000	*Half Link*
PH-HP-U6-B4-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit High - Upper 6 GHz Band 4	$ 4,000	*Half Link*
PH-HP-11-B1-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit High - 11 GHz Band 1	$ 4,000	*Half Link*
PH-HP-11-B2-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit High - 11 GHz Band 2	$ 4,000	*Half Link*
PH-HP-13-B1-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit High - 13 GHz Band 1	$ 4,000	*Half Link*
PH-HP-13-B2-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit High - 13 GHz Band 2	$ 4,000	*Half Link*
PH-HP-15-B1-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit High - 15 GHz Band 1	$ 4,000	*Half Link*
PH-HP-15-B2-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit High - 15 GHz Band 2	$ 4,000	*Half Link*
PH-HP-15-B3-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit High - 15 GHz Band 3	$ 4,000	*Half Link*
PH-HP-15-B4-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit High - 15 GHz Band 4	$ 4,000	*Half Link*
PH-HP-18-B1-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit High - 18 GHz Band 1	$ 4,000	*Half Link*
PH-HP-18-B2-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit High - 18 GHz Band 2	$ 4,000	*Half Link*
PH-HP-18-B3-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit High - 18 GHz Band 3	$ 4,000	*Half Link*
PH-HP-18-B4-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit High - 18 GHz Band 4	$ 4,000	*Half Link*
PH-HP-18-B5-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit High - 18 GHz Band 5	$ 4,000	*Half Link*
PH-HP-23-B1-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit High - 23 GHz Band 1	$ 4,000	*Half Link*
PH-HP-23-B2-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit High - 23 GHz Band 2	$ 4,000	*Half Link*
PH-HP-23-B3-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit High - 23 GHz Band 3	$ 4,000	*Half Link*
PH-HP-38-B1-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit High - 38 GHz Band 1	$ 4,000	*Half Link*
PH-HP-38-B2-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit High - 38 GHz Band 2	$ 4,000	*Half Link*
PH-HP-38-B3-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit High - 38 GHz Band 3	$ 4,000	*Half Link*
PH-HP-38-B4-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit High - 38 GHz Band 4	$ 4,000	*Half Link*
PH-HP-38-B5-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit High - 38 GHz Band 5	$ 4,000	*Half Link*
PH-HP-56-B1-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit High - 56 GHz Band 1	$ 4,000	*Half Link*
PH-HP-56-B2-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit High - 56 GHz Band 2	$ 4,000	*Half Link*
PH-HP-58-B1-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit High - 58 GHz Band 1	$ 4,000	*Half Link*
PH-HP-58-B2-F-S-010-N-00-R2	Standard Hardware - SX Fiber GigE - Half Link - Transmit High - 58 GHz Band 2	$ 4,000	*Half Link*
PH-HP-L6-B1-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit High - Lower 6 GHz Band 1	$ 4,050	*Half Link*
PH-HP-L6-B2-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit High - Lower 6 GHz Band 2	$ 4,050	*Half Link*
PH-HP-U6-B1-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit High - Upper 6 GHz Band 1	$ 4,050	*Half Link*
PH-HP-U6-B2-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit High - Upper 6 GHz Band 2	$ 4,050	*Half Link*
PH-HP-U6-B3-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit High - Upper 6 GHz Band 3	$ 4,050	*Half Link*
PH-HP-U6-B4-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit High - Upper 6 GHz Band 4	$ 4,050	*Half Link*
PH-HP-11-B1-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit High - 11 GHz Band 1	$ 4,050	*Half Link*
PH-HP-11-B2-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit High - 11 GHz Band 2	$ 4,050	*Half Link*
PH-HP-13-B1-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit High - 13 GHz Band 1	$ 4,050	*Half Link*
PH-HP-13-B2-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit High - 13 GHz Band 2	$ 4,050	*Half Link*
PH-HP-15-B1-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit High - 15 GHz Band 1	$ 4,050	*Half Link*
PH-HP-15-B2-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit High - 15 GHz Band 2	$ 4,050	*Half Link*
PH-HP-15-B3-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit High - 15 GHz Band 3	$ 4,050	*Half Link*
PH-HP-15-B4-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit High - 15 GHz Band 4	$ 4,050	*Half Link*
PH-HP-18-B1-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit High - 18 GHz Band 1	$ 4,050	*Half Link*
PH-HP-18-B2-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit High - 18 GHz Band 2	$ 4,050	*Half Link*

PH-HP-18-B3-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit High - 18 GHz Band 3	$ 4,050	*Half Link*
PH-HP-18-B4-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit High - 18 GHz Band 4	$ 4,050	*Half Link*
PH-HP-18-B5-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit High - 18 GHz Band 5	$ 4,050	*Half Link*
PH-HP-23-B1-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit High - 23 GHz Band 1	$ 4,050	*Half Link*
PH-HP-23-B2-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit High - 23 GHz Band 2	$ 4,050	*Half Link*
PH-HP-23-B3-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit High - 23 GHz Band 3	$ 4,050	*Half Link*
PH-HP-38-B1-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit High - 38 GHz Band 1	$ 4,050	*Half Link*
PH-HP-38-B2-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit High - 38 GHz Band 2	$ 4,050	*Half Link*
PH-HP-38-B3-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit High - 38 GHz Band 3	$ 4,050	*Half Link*
PH-HP-38-B4-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit High - 38 GHz Band 4	$ 4,050	*Half Link*
PH-HP-38-B5-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit High - 38 GHz Band 5	$ 4,050	*Half Link*
PH-HP-56-B1-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit High - 56 GHz Band 1	$ 4,050	*Half Link*
PH-HP-56-B2-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit High - 56 GHz Band 2	$ 4,050	*Half Link*
PH-HP-58-B1-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit High - 58 GHz Band 1	$ 4,050	*Half Link*
PH-HP-58-B2-L-S-010-N-00-R2	Standard Hardware - LX Fiber GigE - Half Link - Transmit High - 58 GHz Band 2	$ 4,050	*Half Link*
PH-HP-L6-B1-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - Lower 6 GHz Band 1	$ 4,150	*Half Link*
PH-HP-L6-B2-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - Lower 6 GHz Band 2	$ 4,150	*Half Link*
PH-HP-U6-B1-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - Upper 6 GHz Band 1	$ 4,150	*Half Link*
PH-HP-U6-B2-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - Upper 6 GHz Band 2	$ 4,150	*Half Link*
PH-HP-U6-B3-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - Upper 6 GHz Band 3	$ 4,150	*Half Link*
PH-HP-U6-B4-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - Upper 6 GHz Band 4	$ 4,150	*Half Link*
PH-HP-11-B1-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 11 GHz Band 1	$ 4,150	*Half Link*
PH-HP-11-B2-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 11 GHz Band 2	$ 4,150	*Half Link*
PH-HP-13-B1-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 13 GHz Band 1	$ 4,150	*Half Link*
PH-HP-13-B2-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 13 GHz Band 2	$ 4,150	*Half Link*
PH-HP-15-B1-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 15 GHz Band 1	$ 4,150	*Half Link*
PH-HP-15-B2-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 15 GHz Band 2	$ 4,150	*Half Link*
PH-HP-15-B3-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 15 GHz Band 3	$ 4,150	*Half Link*
PH-HP-15-B4-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 15 GHz Band 4	$ 4,150	*Half Link*
PH-HP-18-B1-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 18 GHz Band 1	$ 4,150	*Half Link*
PH-HP-18-B2-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 18 GHz Band 2	$ 4,150	*Half Link*
PH-HP-18-B3-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 18 GHz Band 3	$ 4,150	*Half Link*
PH-HP-18-B4-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 18 GHz Band 4	$ 4,150	*Half Link*
PH-HP-18-B5-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 18 GHz Band 5	$ 4,150	*Half Link*
PH-HP-23-B1-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 23 GHz Band 1	$ 4,150	*Half Link*
PH-HP-23-B2-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 23 GHz Band 2	$ 4,150	*Half Link*
PH-HP-23-B3-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 23 GHz Band 3	$ 4,150	*Half Link*
PH-HP-38-B1-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 38 GHz Band 1	$ 4,150	*Half Link*
PH-HP-38-B2-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 38 GHz Band 2	$ 4,150	*Half Link*
PH-HP-38-B3-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 38 GHz Band 3	$ 4,150	*Half Link*
PH-HP-38-B4-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 38 GHz Band 4	$ 4,150	*Half Link*
PH-HP-38-B5-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 38 GHz Band 5	$ 4,150	*Half Link*
PH-HP-56-B1-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 56 GHz Band 1	$ 4,150	*Half Link*
PH-HP-56-B2-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 56 GHz Band 2	$ 4,150	*Half Link*
PH-HP-58-B1-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 58 GHz Band 1	$ 4,150	*Half Link*
PH-HP-58-B2-C-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (HC Compatible) - Half Link - Transmit High - 58 GHz Band 2	$ 4,150	*Half Link*
PH-HP-L6-B1-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - Lower 6 GHz Band 1	$ 4,150	*Half Link*
PH-HP-L6-B2-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - Lower 6 GHz Band 2	$ 4,150	*Half Link*
PH-HP-U6-B1-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - Upper 6 GHz Band 1	$ 4,150	*Half Link*
PH-HP-U6-B2-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - Upper 6 GHz Band 2	$ 4,150	*Half Link*
PH-HP-U6-B3-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - Upper 6 GHz Band 3	$ 4,150	*Half Link*
PH-HP-U6-B4-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - Upper 6 GHz Band 4	$ 4,150	*Half Link*
PH-HP-11-B1-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 11 GHz Band 1	$ 4,150	*Half Link*
PH-HP-11-B2-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 11 GHz Band 2	$ 4,150	*Half Link*
PH-HP-13-B1-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 13 GHz Band 1	$ 4,150	*Half Link*
PH-HP-13-B2-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 13 GHz Band 2	$ 4,150	*Half Link*
PH-HP-15-B1-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 15 GHz Band 1	$ 4,150	*Half Link*
PH-HP-15-B2-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 15 GHz Band 2	$ 4,150	*Half Link*
PH-HP-15-B3-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 15 GHz Band 3	$ 4,150	*Half Link*
PH-HP-15-B4-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 15 GHz Band 4	$ 4,150	*Half Link*
PH-HP-18-B1-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 18 GHz Band 1	$ 4,150	*Half Link*
PH-HP-18-B2-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 18 GHz Band 2	$ 4,150	*Half Link*
PH-HP-18-B3-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 18 GHz Band 3	$ 4,150	*Half Link*
PH-HP-18-B4-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 18 GHz Band 4	$ 4,150	*Half Link*
PH-HP-18-B5-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 18 GHz Band 5	$ 4,150	*Half Link*
PH-HP-23-B1-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 23 GHz Band 1	$ 4,150	*Half Link*
PH-HP-23-B2-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 23 GHz Band 2	$ 4,150	*Half Link*
PH-HP-23-B3-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 23 GHz Band 3	$ 4,150	*Half Link*
PH-HP-38-B1-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 38 GHz Band 1	$ 4,150	*Half Link*
PH-HP-38-B2-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 38 GHz Band 2	$ 4,150	*Half Link*
PH-HP-38-B3-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 38 GHz Band 3	$ 4,150	*Half Link*
PH-HP-38-B4-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 38 GHz Band 4	$ 4,150	*Half Link*
PH-HP-38-B5-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 38 GHz Band 5	$ 4,150	*Half Link*
PH-HP-56-B1-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 56 GHz Band 1	$ 4,150	*Half Link*
PH-HP-56-B2-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 56 GHz Band 2	$ 4,150	*Half Link*

PH-HP-58-B1-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 58 GHz Band 1	$ 4,150	*Half Link*
PH-HP-58-B2-S-X-010-N-00-R2	Advanced Hardware - Copper 100/1000bT (Amphenol) - Half Link - Transmit High - 58 GHz Band 2	$ 4,150	*Half Link*
PH-HP-L6-B1-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - Lower 6 GHz Band 1	$ 4,350	*Half Link*
PH-HP-L6-B2-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - Lower 6 GHz Band 2	$ 4,350	*Half Link*
PH-HP-U6-B1-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - Upper 6 GHz Band 1	$ 4,350	*Half Link*
PH-HP-U6-B2-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - Upper 6 GHz Band 2	$ 4,350	*Half Link*
PH-HP-U6-B3-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - Upper 6 GHz Band 3	$ 4,350	*Half Link*
PH-HP-U6-B4-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - Upper 6 GHz Band 4	$ 4,350	*Half Link*
PH-HP-11-B1-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 11 GHz Band 1	$ 4,350	*Half Link*
PH-HP-11-B2-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 11 GHz Band 2	$ 4,350	*Half Link*
PH-HP-13-B1-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 13 GHz Band 1	$ 4,350	*Half Link*
PH-HP-13-B2-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 13 GHz Band 2	$ 4,350	*Half Link*
PH-HP-15-B1-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 15 GHz Band 1	$ 4,350	*Half Link*
PH-HP-15-B2-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 15 GHz Band 2	$ 4,350	*Half Link*
PH-HP-15-B3-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 15 GHz Band 3	$ 4,350	*Half Link*
PH-HP-15-B4-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 15 GHz Band 4	$ 4,350	*Half Link*
PH-HP-18-B1-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 18 GHz Band 1	$ 4,350	*Half Link*
PH-HP-18-B2-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 18 GHz Band 2	$ 4,350	*Half Link*
PH-HP-18-B3-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 18 GHz Band 3	$ 4,350	*Half Link*
PH-HP-18-B4-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 18 GHz Band 4	$ 4,350	*Half Link*
PH-HP-18-B5-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 18 GHz Band 5	$ 4,350	*Half Link*
PH-HP-23-B1-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 23 GHz Band 1	$ 4,350	*Half Link*
PH-HP-23-B2-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 23 GHz Band 2	$ 4,350	*Half Link*
PH-HP-23-B3-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 23 GHz Band 3	$ 4,350	*Half Link*
PH-HP-38-B1-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 38 GHz Band 1	$ 4,350	*Half Link*
PH-HP-38-B2-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 38 GHz Band 2	$ 4,350	*Half Link*
PH-HP-38-B3-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 38 GHz Band 3	$ 4,350	*Half Link*
PH-HP-38-B4-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 38 GHz Band 4	$ 4,350	*Half Link*
PH-HP-38-B5-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 38 GHz Band 5	$ 4,350	*Half Link*
PH-HP-56-B1-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 56 GHz Band 1	$ 4,350	*Half Link*
PH-HP-56-B2-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 56 GHz Band 2	$ 4,350	*Half Link*
PH-HP-58-B1-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 58 GHz Band 1	$ 4,350	*Half Link*
PH-HP-58-B2-M-X-010-N-00-R2	Advanced Hardware - Mil Spec 100/1000bT - Half Link - Transmit High - 58 GHz Band 2	$ 4,350	*Half Link*
PH-HP-L6-B1-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit High - Lower 6 GHz Band 1	$ 4,400	*Half Link*
PH-HP-L6-B2-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit High - Lower 6 GHz Band 2	$ 4,400	*Half Link*
PH-HP-U6-B1-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit High - Upper 6 GHz Band 1	$ 4,400	*Half Link*
PH-HP-U6-B2-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit High - Upper 6 GHz Band 2	$ 4,400	*Half Link*
PH-HP-U6-B3-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit High - Upper 6 GHz Band 3	$ 4,400	*Half Link*
PH-HP-U6-B4-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit High - Upper 6 GHz Band 4	$ 4,400	*Half Link*
PH-HP-11-B1-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit High - 11 GHz Band 1	$ 4,400	*Half Link*
PH-HP-11-B2-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit High - 11 GHz Band 2	$ 4,400	*Half Link*
PH-HP-13-B1-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit High - 13 GHz Band 1	$ 4,400	*Half Link*
PH-HP-13-B2-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit High - 13 GHz Band 2	$ 4,400	*Half Link*
PH-HP-15-B1-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit High - 15 GHz Band 1	$ 4,400	*Half Link*
PH-HP-15-B2-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit High - 15 GHz Band 2	$ 4,400	*Half Link*
PH-HP-15-B3-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit High - 15 GHz Band 3	$ 4,400	*Half Link*
PH-HP-15-B4-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit High - 15 GHz Band 4	$ 4,400	*Half Link*
PH-HP-18-B1-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit High - 18 GHz Band 1	$ 4,400	*Half Link*
PH-HP-18-B2-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit High - 18 GHz Band 2	$ 4,400	*Half Link*
PH-HP-18-B3-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit High - 18 GHz Band 3	$ 4,400	*Half Link*
PH-HP-18-B4-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit High - 18 GHz Band 4	$ 4,400	*Half Link*
PH-HP-18-B5-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit High - 18 GHz Band 5	$ 4,400	*Half Link*
PH-HP-23-B1-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit High - 23 GHz Band 1	$ 4,400	*Half Link*
PH-HP-23-B2-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit High - 23 GHz Band 2	$ 4,400	*Half Link*
PH-HP-23-B3-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit High - 23 GHz Band 3	$ 4,400	*Half Link*
PH-HP-38-B1-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit High - 38 GHz Band 1	$ 4,400	*Half Link*
PH-HP-38-B2-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit High - 38 GHz Band 2	$ 4,400	*Half Link*
PH-HP-38-B3-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit High - 38 GHz Band 3	$ 4,400	*Half Link*
PH-HP-38-B4-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit High - 38 GHz Band 4	$ 4,400	*Half Link*
PH-HP-38-B5-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit High - 38 GHz Band 5	$ 4,400	*Half Link*
PH-HP-56-B1-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit High - 56 GHz Band 1	$ 4,400	*Half Link*
PH-HP-56-B2-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit High - 56 GHz Band 2	$ 4,400	*Half Link*
PH-HP-58-B1-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit High - 58 GHz Band 1	$ 4,400	*Half Link*
PH-HP-58-B2-F-X-010-N-00-R2	Advanced Hardware - SX Fiber GigE - Half Link - Transmit High - 58 GHz Band 2	$ 4,400	*Half Link*
PH-HP-L6-B1-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit High - Lower 6 GHz Band 1	$ 4,450	*Half Link*
PH-HP-L6-B2-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit High - Lower 6 GHz Band 2	$ 4,450	*Half Link*
PH-HP-U6-B1-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit High - Upper 6 GHz Band 1	$ 4,450	*Half Link*
PH-HP-U6-B2-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit High - Upper 6 GHz Band 2	$ 4,450	*Half Link*
PH-HP-U6-B3-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit High - Upper 6 GHz Band 3	$ 4,450	*Half Link*
PH-HP-U6-B4-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit High - Upper 6 GHz Band 4	$ 4,450	*Half Link*
PH-HP-11-B1-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit High - 11 GHz Band 1	$ 4,450	*Half Link*
PH-HP-11-B2-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit High - 11 GHz Band 2	$ 4,450	*Half Link*
PH-HP-13-B1-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit High - 13 GHz Band 1	$ 4,450	*Half Link*
PH-HP-13-B2-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit High - 13 GHz Band 2	$ 4,450	*Half Link*

PH-HP-15-B1-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit High - 15 GHz Band 1	$ 4,450	*Half Link*
PH-HP-15-B2-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit High - 15 GHz Band 2	$ 4,450	*Half Link*
PH-HP-15-B3-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit High - 15 GHz Band 3	$ 4,450	*Half Link*
PH-HP-15-B4-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit High - 15 GHz Band 4	$ 4,450	*Half Link*
PH-HP-18-B1-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit High - 18 GHz Band 1	$ 4,450	*Half Link*
PH-HP-18-B2-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit High - 18 GHz Band 2	$ 4,450	*Half Link*
PH-HP-18-B3-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit High - 18 GHz Band 3	$ 4,450	*Half Link*
PH-HP-18-B4-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit High - 18 GHz Band 4	$ 4,450	*Half Link*
PH-HP-18-B5-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit High - 18 GHz Band 5	$ 4,450	*Half Link*
PH-HP-23-B1-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit High - 23 GHz Band 1	$ 4,450	*Half Link*
PH-HP-23-B2-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit High - 23 GHz Band 2	$ 4,450	*Half Link*
PH-HP-23-B3-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit High - 23 GHz Band 3	$ 4,450	*Half Link*
PH-HP-38-B1-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit High - 38 GHz Band 1	$ 4,450	*Half Link*
PH-HP-38-B2-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit High - 38 GHz Band 2	$ 4,450	*Half Link*
PH-HP-38-B3-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit High - 38 GHz Band 3	$ 4,450	*Half Link*
PH-HP-38-B4-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit High - 38 GHz Band 4	$ 4,450	*Half Link*
PH-HP-38-B5-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit High - 38 GHz Band 5	$ 4,450	*Half Link*
PH-HP-56-B1-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit High - 56 GHz Band 1	$ 4,450	*Half Link*
PH-HP-56-B2-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit High - 56 GHz Band 2	$ 4,450	*Half Link*
PH-HP-58-B1-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit High - 58 GHz Band 1	$ 4,450	*Half Link*
PH-HP-58-B2-L-X-010-N-00-R2	Advanced Hardware - LX Fiber GigE - Half Link - Transmit High - 58 GHz Band 2	$ 4,450	*Half Link*

Initial Capacity Upgrades

A-FUP-BNW-010-**020**-HCP	Horizon Compact+ Upgrade 10 Mbps to 20 Mbps (Per Link)	$ 200	*Day 1 Capacity*
A-FUP-BNW-010-**040**-HCP	Horizon Compact+ Upgrade 10 Mbps to 40 Mbps (Per Link)	$ 600	*Day 1 Capacity*
A-FUP-BNW-010-**050**-HCP	Horizon Compact+ Upgrade 10 Mbps to 50 Mbps (Per Link)	$ 1,000	*Day 1 Capacity*
A-FUP-BNW-010-**100**-HCP	Horizon Compact+ Upgrade 10 Mbps to 100 Mbps (Per Link)	$ 1,500	*Day 1 Capacity*
A-FUP-BNW-010-**150**-HCP	Horizon Compact+ Upgrade 10 Mbps to 150 Mbps (Per Link)	$ 1,700	*Day 1 Capacity*
A-FUP-BNW-010-**200**-HCP	Horizon Compact+ Upgrade 10 Mbps to 200 Mbps (Per Link)	$ 1,900	*Day 1 Capacity*
A-FUP-BNW-010-**300**-HCP	Horizon Compact+ Upgrade 10 Mbps to 300 Mbps (Per Link)	$ 2,500	*Day 1 Capacity*
A-FUP-BNW-010-**350**-HCP	Horizon Compact+ Upgrade 10 Mbps to 350 Mbps (Per Link)	$ 3,000	*Day 1 Capacity*
A-FUP-BNW-010-**400**-HCP	Horizon Compact+ Upgrade 10 Mbps to 400 Mbps (Per Link)	$ 3,500	*Day 1 Capacity*
A-FUP-BNW-010-**450**-HCP	Horizon Compact+ Upgrade 10 Mbps to 450 Mbps (Per Link)	$ 4,000	*Day 1 Capacity*
A-FUP-BNW-010-**500**-HCP	Horizon Compact+ Upgrade 10 Mbps to 500 Mbps (Per Link)	$ 4,500	*Day 1 Capacity*

Initial Standard Feature Upgrades

A-FUP-PFT-AAM	Link Upgrade, Horizon Compact+ Feature, Hitless Automatic Adaptive Mod., Adv Feature	$ 500	*Day 1 Feature*
A-FUP-PFT-AET	Link Upgrade, Horizon Compact+ Feature, Enhanced Ethernet, Adv. Feature	$ 500	*Day 1 Feature*
A-FUP-PFT-BUN	Link Upgrade, Horizon Compact+ Feature, Bundle (AAM, Enhanced Ethernet)	$ 800	*Day 1 Feature*
AH-FUP-PFT-AAM	End Upgrade, Horizon Compact+ Feature, Hitless Automatic Adaptive Mod., Adv Feature	$ 250	
AH-FUP-PFT-AET	End Upgrade, Horizon Compact+ Feature, Enhanced Ethernet, Adv. Feature	$ 250	
AH-FUP-PFT-BUN	End Upgrade, Horizon Compact+ Feature, Bundle (AAM, Enhanced Ethernet)	$ 400	

Initial Advanced Feature Upgrades

A-FUP-PFT-AES	Link Upgrade, Horizon Compact+ Feature, 256 AES, Adv. Feature. Requires advanced hardware configuration to upgrade	$ 2,200	*Day 1 Feature*
A-FUP-PFT-BWA	Link Upgrade, Horizon Compact+ Feature, Bandwidth Accelerator (BAC). Requires advanced hardware configuration to upgrade	$ 1,200	*Day 1 Feature*
A-FUP-PFT-ALL	Link Upgrade, Horizon Compact+ Feature, All Advanced Features. Requires advanced hardware configuration to upgrade	$ 2,800	*Day 1 Feature*
AH-FUP-PFT-AES	End Upgrade, Horizon Compact+ Feature, 256 AES, Adv. Feature. Requires advanced hardware configuration to upgrade	$ 1,100	
AH-FUP-PFT-BWA	End Upgrade, Horizon Compact+ Feature, Bandwidth Accelerator (BAC). Requires advanced hardware configuration to upgrade	$ 600	
AH-FUP-PFT-ALL	End Upgrade, Horizon Compact+ Feature, All Advanced Features. Requires advanced hardware configuration to upgrade	$ 1,400	

Installation Kits

A-INK-CPNA-AC-NA-R1	Horizon Compact+, No CAT5E Connectors AC Install Kit (N. America) -Amphenol	$ 800	*Per Link*
A-INK-CPNA-AC-EU-R1	Horizon Compact+, No CAT5E Connectors AC Install Kit (Europe) -Amphenol	$ 800	*Per Link*
A-INK-CPNA-DC-GL-R1	Horizon Compact+, No CAT5E Connectors DC Install Kit (Global) -Amphenol	$ 600	*Per Link*
A-INK-CPCA-AC-NA-R1	Horizon Compact+, CAT5E Connectors AC Install Kit (N. America) - Incl. 4 Glands and 8 RJ-45 Connectors-Amphenol	$ 1,000	*Per Link*
A-INK-CPCA-AC-EU-R1	Horizon Compact+, CAT5E Connectors AC Install Kit (Europe) - Incl. 4 Glands and 8 RJ-45 Connectors-Amphenol	$ 1,000	*Per Link*
A-INK-CPCA-DC-GL-R1	Horizon Compact+, CAT5E Connectors DC Install Kit (Global) - Incl. 4 Glands and 8 RJ-45 Connectors-Amphenol	$ 800	*Per Link*
A-INK-CPIA-AC-NA-R1	Horizon Compact+, Inband MGMT, CAT5E Connectors AC Install Kit (N. America) - Incl. 2 Glands and 4 RJ-45 Connectors-Amphenol	$ 950	*Per Link*
A-INK-CPIA-AC-EU-R1	Horizon Compact+, Inband MGMT, CAT5E Connectors AC Install Kit (Europe) - Incl. 2 Glands and 4 RJ-45 Connectors-Amphenol	$ 950	*Per Link*
A-INK-CPIA-DC-GL-R1	Horizon Compact+, Inband MGMT, CAT5E Connectors DC Install Kit (Global) - Incl. 2 Glands and 4 RJ-45 Connectors-Amphenol	$ 750	*Per Link*
A-INK-CPM-AC-NA-R1	Horizon Compact+, Mil Spec Bundled Cable Connector AC Install Kit (N. America)	$ 800	*Per Link*
A-INK-CPM-AC-EU-R1	Horizon Compact+, Mil Spec Bundled Cable Connector AC Install Kit (Europe)	$ 800	*Per Link*
A-INK-CPM-DC-GL-R1	Horizon Compact+, Mil Spec Bundled Cable Connector DC Install Kit (Global)	$ 600	*Per Link*
A-INK-CPF-AC-NA-R1	Horizon Compact+, Fiber AC Install Kit (N. America)	$ 1,000	*Per Link*
A-INK-CPF-AC-EU-R1	Horizon Compact+, Fiber AC Install Kit (Europe)	$ 1,000	*Per Link*
A-INK-CPF-DC-GL-R1	Horizon Compact+, Fiber DC Install Kit (Global)	$ 800	*Per Link*
A-INK-HNIA-AC-NA-R1	HC+, Indoor PonE, No CAT5E connectors AC Install Kit (N. America) -Amphenol	$ 800	*Per Link*
A-INK-HNIA-AC-EU-R1	HC+, Indoor PonE, No CAT5E Connectors AC Install Kit (Europe)-Amphenol	$ 800	*Per Link*
A-INK-HNIA-DC-GL-R1	HC+, Indoor PonE, No CAT5E Connectors DC Install Kit (Global)-Amphenol	$ 600	*Per Link*
A-INK-HICA-AC-NA-R1	HC+, Indoor PonE, CAT5E Connectors AC Install Kit (N. America) - Incl. 4 Glands and 8 RJ-45 Connectors -Amphenol	$ 1,000	*Per Link*
A-INK-HICA-AC-EU-R1	HC+, Indoor PonE, CAT5E Connectors AC Install Kit (Europe) - Incl. 4 Glands and 8 RJ-45 Connectors-Amphenol	$ 1,000	*Per Link*
A-INK-HICA-DC-GL-R1	HC+, Indoor PonE, CAT5E Connectors DC Install Kit (Global) - Incl. 4 Glands and 8 RJ-45 Connectors- Amphenol	$ 800	*Per Link*
A-INK-CPIA-AC-NA-R1	HC+, Indoor PonE, Inband MGMT, CAT5E Connectors AC Install Kit (N. America) - Incl. 2 Glands and 4 RJ-45 Connectors -Amphenol	$ 950	*Per Link*
A-INK-HIIA-AC-EU-R1	HC+, Indoor PonE, Inband MGMT, CAT5E Connectors AC Install Kit (Europe) - Incl. 2 Glands and 4 RJ-45 Connectors -Amphenol	$ 950	*Per Link*
A-INK-HIIA-DC-GL-R1	HC+, Indoor PonE, Inband MGMT, CAT5E Connectors DC Install Kit (Global) - Incl. 2 Glands and 4 RJ-45 Connectors -Amphenol	$ 750	*Per Link*

A-INK-HIM-AC-NA-R1	HC+, Indoor PonE, Mil Spec Bundled Cable Connector AC Install Kit (N. America)	$ 800	*Per Link*
A-INK-CIM-AC-EU-R1	HC+, Indoor PonE, Mil Spec Bundled Cable Connector AC Install Kit (Europe)	$ 800	*Per Link*
A-INK-CIM-DC-GL-R1	HC+, Indoor PonE, Mil Spec Bundled Cable Connector DC Install Kit (Global)	$ 600	*Per Link*
A-INK-CIF-AC-NA-R1	HC+, Indoor PonE, Fiber AC Install Kit (N. America)	$ 1,000	*Per Link*
A-INK-HIF-AC-EU-R1	HC+, Indoor PonE, Fiber AC Install Kit (Europe)	$ 1,000	*Per Link*
A-INK-CIF-DC-GL-R1	HC+, Indoor PonE, Fiber DC Install Kit (Global)	$ 800	*Per Link*
A-INK-CPN-AC-NA-R1	Horizon Compact+, No CAT5E connectors AC Install Kit (N. America)	$ 800	*Per Link*
A-INK-CPN-AC-EU-R1	Horizon Compact+, No CAT5E Connectors AC Install Kit (Europe)	$ 800	*Per Link*
A-INK-CPN-DC-GL-R1	Horizon Compact+, No CAT5E Connectors DC Install Kit (Global)	$ 600	*Per Link*
A-INK-CPC-AC-NA-R1	Horizon Compact+, CAT5E Connectors AC Install Kit (N. America) - Incl. 4 Glands and 8 RJ-45 Connectors	$ 1,000	*Per Link*
A-INK-CPC-AC-EU-R1	Horizon Compact+, CAT5E Connectors AC Install Kit (Europe) - Incl. 4 Glands and 8 RJ-45 Connectors	$ 1,000	*Per Link*
A-INK-CPC-DC-GL-R1	Horizon Compact+, CAT5E Connectors DC Install Kit (Global) - Incl. 4 Glands and 8 RJ-45 Connectors	$ 800	*Per Link*
A-INK-CPI-AC-NA-R1	Horizon Compact+, Inband MGMT, CAT5E Connectors AC Install Kit (N. America) - Incl. 2 Glands and 4 RJ-45 Connectors	$ 950	*Per Link*
A-INK-CPI-AC-EU-R1	Horizon Compact+, Inband MGMT, CAT5E Connectors AC Install Kit (Europe) - Incl. 2 Glands and 4 RJ-45 Connectors	$ 950	*Per Link*
A-INK-CPI-DC-GL-R1	Horizon Compact+, Inband MGMT, CAT5E Connectors DC Install Kit (Global) - Incl. 2 Glands and 4 RJ-45 Connectors	$ 750	*Per Link*
A-INK-CPNI-AC-NA-R1	HC+, Indoor PonE, No CAT5E connectors AC Install Kit (N. America)	$ 800	*Per Link*
A-INK-CPNI-AC-EU-R1	HC+, Indoor PonE, No CAT5E Connectors AC Install Kit (Europe)	$ 800	*Per Link*
A-INK-CPNI-DC-GL-R1	HC+, Indoor PonE, No CAT5E Connectors DC Install Kit (Global)	$ 600	*Per Link*
A-INK-CPIC-AC-NA-R1	HC+, Indoor PonE, CAT5E Connectors AC Install Kit (N. America) - Incl. 4 Glands and 8 RJ-45 Connectors	$ 1,000	*Per Link*
A-INK-CPIC-AC-EU-R1	HC+, Indoor PonE, CAT5E Connectors AC Install Kit (Europe) - Incl. 4 Glands and 8 RJ-45 Connectors	$ 1,000	*Per Link*
A-INK-CPIC-DC-GL-R1	HC+, Indoor PonE, CAT5E Connectors DC Install Kit (Global) - Incl. 4 Glands and 8 RJ-45 Connectors	$ 800	*Per Link*
A-INK-CPII-AC-NA-R1	HC+, Indoor PonE, Inband MGMT, CAT5E Connectors AC Install Kit (N. America) - Incl. 2 Glands and 4 RJ-45 Connectors	$ 950	*Per Link*
A-INK-CPII-AC-EU-R1	HC+, Indoor PonE, Inband MGMT, CAT5E Connectors AC Install Kit (Europe) - Incl. 2 Glands and 4 RJ-45 Connectors	$ 950	*Per Link*
A-INK-CPII-DC-GL-R1	HC+, Indoor PonE, Inband MGMT, CAT5E Connectors DC Install Kit (Global) - Incl. 2 Glands and 4 RJ-45 Connectors	$ 750	*Per Link*
Cables			
A-CAB-CPA-30-R1	Horizon Compact+ Copper Cable, CAT5E, 30 m; Amphenol	$ 200	*Per End*
A-CAB-CPA-60-R1	Horizon Compact+ Copper Cable, CAT5E, 60 m; Amphenol	$ 250	*Per End*
A-CAB-CPA-100-R1	Horizon Compact+ Copper Cable, CAT5E, 100 m; Amphenol	$ 350	*Per End*
A-CAB-CPC-30-R1	Horizon Compact+ Copper Cable, CAT5E, 30 m	$ 200	*Per End*
A-CAB-CPC-60-R1	Horizon Compact+ Copper Cable, CAT5E, 60 m	$ 250	*Per End*
A-CAB-CPC-100-R1	Horizon Compact+ Copper Cable, CAT5E, 100 m	$ 350	*Per End*
A-CAB-CPM-30-R1	Horizon Compact+ Mil Spec Bundled Ethernet Cable with CAT5E Management, 30 m	$ 450	*Per End*
A-CAB-CPM-60-R1	Horizon Compact+ Mil Spec Bundled Ethernet Cable with CAT5E Management, 60 m	$ 600	*Per End*
A-CAB-CPM-100-R1	Horizon Compact+ Mil Spec Bundled Ethernet Cable with CAT5E Management, 100 m	$ 800	*Per End*
A-CAB-CPF-30-R1	Horizon Compact+ Fiberoptic Cable, Multi-mode, 30M (requires power cable)	$ 200	*Per End*
A-CAB-CPF-60-R1	Horizon Compact+ Fibreoptic Cable, Multi-mode, 60M (requires power cable)	$ 300	*Per End*
A-CAB-CPF-100-R1	Horizon Compact+ Fibreoptic Cable, Multi-mode, 100M (requires power cable)	$ 400	*Per End*
A-CAB-CPF-200-R1	Horizon Compact+ Fibreoptic Cable, Multi-mode, 200M (requires power cable)	$ 700	*Per End*
A-CAB-CPF-300-R1	Horizon Compact+ Fibreoptic Cable, Multi-mode, 300M (requires power cable)	$ 900	*Per End*
A-CAB-CPL-30-R1	Horizon Compact+ Fibreoptic Cable, Single-mode, 30M (requires power cable)	$ 300	*Per End*
A-CAB-CPL-60-R1	Horizon Compact+ Fibreoptic Cable, Single-mode, 60M (requires power cable)	$ 350	*Per End*
A-CAB-CPL-100-R1	Horizon Compact+ Fibreoptic Cable, Single-mode, 100M (requires power cable)	$ 450	*Per End*
A-CAB-CPL-200-R1	Horizon Compact+ Fibreoptic Cable, Single-mode, 200M (requires power cable)	$ 750	*Per End*
A-CAB-CPL-300-R1	Horizon Compact+ Fibreoptic Cable, Single-mode, 300M (requires power cable)	$ 950	*Per End*
A-CAB-HCP-100-R1	16 Guage Power Cable, 100M for fiber Installs	$ 400	*Per End*
A-CAB-HCP-200-R1	14 Guage Power Cable, 200M for fiber Installs	$ 700	*Per End*
A-CAB-HCP-300-R1	12 Guage Power Cable, 300M for fiber Installs	$ 1,000	*Per End*
A-CMB-CPM-6-R1	HC+ MIL SPEC BUND ETH CABLE W/CAT5E MNGMNT 6M	$ 650	
A-CMB-CPM-30-R1	HC+ MIL SPEC BUND ETH CABLE W/CAT5E MNGMNT 30M	$ 1,000	
A-CMB-CPM-60-R1	HC+ MIL SPEC BUND ETH CABLE W/CAT5E MNGMNT 60M	$ 1,500	
A-CMB-CPM-100-R1	HC+ MIL SPEC BUND ETH CABLE W/CAT5E MNGMNT 100M	$ 2,000	
Warranty Options			
S-WTY-CP-GL-1YR	1 Year Horizon Compact+ Global Extended Warranty - Purchased in First year	$ 750	*Per Link*
S-ARP-CP-GL-1YR	1 Year Horizon Compact+ Global Advanced replacement (Next Business Day) - Purchased in First year	$ 500	*Per Link*
S-247-CP-GL-1YR	1 Year Horizon Compact+ Global 24x7 Support - Purchased in First year	$ 500	*Per Link*
S-WTY-CP-GL-3YR	3 Year Horizon Compact+ Global Warranty (2 Year Extension from STD) - Purchased in First year	$ 1,350	*Per Link*
S-ARP-CP-GL-3YR	3 Year Horizon Compact+ Global Advanced replacement (Next Business Day) - Incl. Warranty - Purchased in First year	$ 2,700	*Per Link*
S-247-CP-GL-3YR	3 Year Horizon Compact+ Global 24x7 Support - Incl. Warranty - Purchased in First year	$ 2,700	*Per Link*
S-DCR-CP-GL-3YR	3 Year Horizon Compact+ Global DragonCare (24x7 Support, Adv. Replacement, Warranty) - Purchased in First year	$ 4,050	*Per Link*
S-WTY-CP-GL-5YR	5 Year Horizon Compact+ Global Warranty (4 Year Extension from STD) - Purchased in First year	$ 2,400	*Per Link*
S-ARP-CP-GL-5YR	5 Year Horizon Compact+ Global Advanced replacement (Next Business Day) - Includes Warranty - Purchased in First year	$ 4,400	*Per Link*
S-247-CP-GL-5YR	5 Year Horizon Compact+ Global 24x7 Support - Incl. Warranty - Purchased in First year	$ 4,400	*Per Link*
S-DCR-CP-GL-5YR	5 Year Horizon Compact+ Global DragonCare (24x7 Support, Adv. Replacement, Warranty) - Purchased in First year	$ 6,400	*Per Link*
S-RWT-CP-GL-1YR	1 Year Horizon Compact+ Global Warranty Renewal	$ 1,000	*Per Link*
S-RAR-CP-GL-1YR	1 Year Horizon Compact+ Global Advanced replacement Renewal (Next Business Day + Sat) - Includes Warranty	$ 1,500	*Per Link*
S-R24-CP-GL-1YR	1 Year Horizon Compact+ Global 24x7 Support Renewal - Includes Warranty	$ 1,500	*Per Link*
S-RDC-CP-GL-1YR	1 Year Horizon Compact+ Global DragonCare Renewal (24x7 Support, Adv. Replacement, Warranty)	$ 2,000	*Per Link*
S-RWT-CP-GL-1YR	1 Year Horizon Compact+ Global Warranty Renewal	$ 1,000	*Per Link*
S-RAR-CP-GL-1YR	1 Year Horizon Compact+ Global Advanced replacement Renewal (Next Business Day + Sat) - Includes Warranty	$ 1,500	*Per Link*
S-R24-CP-GL-1YR	1 Year Horizon Compact+ Global 24x7 Support Renewal - Includes Warranty	$ 1,500	*Per Link*
S-RDC-CP-GL-1YR	1 Year Horizon Compact+ Global DragonCare Renewal (24x7 Support, Adv. Replacement, Warranty)	$ 2,000	*Per Link*
S-RWT-CP-GL-3YR	3 Year Horizon Compact+ Global Warranty Renewal	$ 2,025	*Per Link*
S-RAR-CP-GL-3YR	3 Year Horizon Compact+ Global Advanced Replacement Renewal (Next Business Day + Sat) - Includes Warranty	$ 3,375	*Per Link*
S-R24-CP-GL-3YR	3 Year Horizon Compact+ Global 24x7 Support Renewal - Includes Warranty	$ 3,375	*Per Link*
S-RDC-CP-GL-3YR	3 Year Horizon Compact+ Global DragonCare Renewal (24x7 Support, Adv. Replacement, Warranty)	$ 4,725	*Per Link*

S-RWT-CP-GL-5YR	5 Year Horizon Compact+ Global Warranty Renewal	$ 3,000	*Per Link*
S-RAR-CP-GL-5YR	5 Year Horizon Compact+ Global Advanced replacement Renewal (Next Business Day + Sat) - Includes Warranty	$ 5,000	*Per Link*
S-R24-CP-GL-5YR	5 Year Horizon Compact+ Global 24x7 Support Renewal - Includes Warranty	$ 5,000	*Per Link*
S-RDC-CP-GL-5YR	5 Year Horizon Compact+ Global DragonCare Renewal (24x7 Support, Adv. Replacement, Warranty)	$ 7,000	*Per Link*
Bandwidth and Feature Upgrades			
A-UPG-BNW-010-020-HCP	Horizon Compact+ Upgrade 10 Mbps to 20 Mbps (Per Link)	$ 250	*Day 2 Upgrade*
A-UPG-BNW-020-040-HCP	Horizon Compact+ Upgrade 20 Mbps to 40 Mbps (Per Link)	$ 500	*Day 2 Upgrade*
A-UPG-BNW-040-050-HCP	Horizon Compact+ Upgrade 40 Mbps to 50 Mbps (Per Link)	$ 500	*Day 2 Upgrade*
A-UPG-BNW-050-100-HCP	Horizon Compact+ Upgrade 50 Mbps to 100 Mbps (Per Link)	$ 625	*Day 2 Upgrade*
A-UPG-BNW-100-150-HCP	Horizon Compact+ Upgrade 100 Mbps to 150 Mbps (Per Link)	$ 250	*Day 2 Upgrade*
A-UPG-BNW-150-200-HCP	Horizon Compact+ Upgrade 150 Mbps to 200 Mbps (Per Link)	$ 250	*Day 2 Upgrade*
A-UPG-BNW-200-300-HCP	Horizon Compact+ Upgrade 200 Mbps to 300 Mbps (Per Link)	$ 750	*Day 2 Upgrade*
A-UPG-BNW-300-350-HCP	Horizon Compact+ Upgrade 300 Mbps to 350 Mbps (Per Link)	$ 625	*Day 2 Upgrade*
A-UPG-BNW-350-400-HCP	Horizon Compact+ Upgrade 350 Mbps to 400 Mbps (Per Link)	$ 625	*Day 2 Upgrade*
A-UPG-BNW-010-040-HCP	Horizon Compact+ Upgrade 10 Mbps to 40 Mbps (Per Link)	$ 750	*Day 2 Upgrade*
A-UPG-BNW-010-050-HCP	Horizon Compact+ Upgrade 10 Mbps to 50 Mbps (Per Link)	$ 1,000	*Day 2 Upgrade*
A-UPG-BNW-010-100-HCP	Horizon Compact+ Upgrade 10 Mbps to 100 Mbps (Per Link)	$ 1,875	*Day 2 Upgrade*
A-UPG-BNW-010-150-HCP	Horizon Compact+ Upgrade 10 Mbps to 150 Mbps (Per Link)	$ 2,125	*Day 2 Upgrade*
A-UPG-BNW-010-200-HCP	Horizon Compact+ Upgrade 10 Mbps to 200 Mbps (Per Link)	$ 2,375	*Day 2 Upgrade*
A-UPG-BNW-010-300-HCP	Horizon Compact+ Upgrade 10 Mbps to 300 Mbps (Per Link)	$ 3,125	*Day 2 Upgrade*
A-UPG-BNW-010-350-HCP	Horizon Compact+ Upgrade 10 Mbps to 350 Mbps (Per Link)	$ 3,750	*Day 2 Upgrade*
A-UPG-BNW-010-400-HCP	Horizon Compact+ Upgrade 10 Mbps to 400 Mbps (Per Link)	$ 4,375	*Day 2 Upgrade*
A-UPG-BNW-010-450-HCP	Horizon Compact+ Upgrade 10 Mbps to 450 Mbps (Per Link)	$ 4,625	*Day 2 Upgrade*
A-UPG-BNW-010-500-HCP	Horizon Compact+ Upgrade 10 Mbps to 500 Mbps (Per Link)	$ 4,875	*Day 2 Upgrade*
AH-UPG-BNW-010-020-HCP	Horizon Compact+ Upgrade 10 Mbps to 20 Mbps (Per End)	$ 125	*Day 2 Upgrade*
AH-UPG-BNW-020-040-HCP	Horizon Compact+ Upgrade 20 Mbps to 40 Mbps (Per End)	$ 250	*Day 2 Upgrade*
AH-UPG-BNW-040-050-HCP	Horizon Compact+ Upgrade 40 Mbps to 50 Mbps (Per End)	$ 250	*Day 2 Upgrade*
AH-UPG-BNW-050-100-HCP	Horizon Compact+ Upgrade 50 Mbps to 100 Mbps (Per End)	$ 313	*Day 2 Upgrade*
AH-UPG-BNW-100-150-HCP	Horizon Compact+ Upgrade 100 Mbps to 150 Mbps (Per End)	$ 125	*Day 2 Upgrade*
AH-UPG-BNW-150-200-HCP	Horizon Compact+ Upgrade 150 Mbps to 200 Mbps (Per End)	$ 125	*Day 2 Upgrade*
AH-UPG-BNW-200-300-HCP	Horizon Compact+ Upgrade 200 Mbps to 300 Mbps (Per End)	$ 375	
AH-UPG-BNW-300-350-HCP	Horizon Compact+ Upgrade 300 Mbps to 350 Mbps (Per End)	$ 313	
AH-UPG-BNW-350-400-HCP	Horizon Compact+ Upgrade 350 Mbps to 400 Mbps (Per End)	$ 313	
AH-UPG-BNW-010-040-HCP	Horizon Compact+ Upgrade 10 Mbps to 40 Mbps (Per End)	$ 375	
AH-UPG-BNW-010-050-HCP	Horizon Compact+ Upgrade 10 Mbps to 50 Mbps (Per End)	$ 500	
AH-UPG-BNW-010-100-HCP	Horizon Compact+ Upgrade 10 Mbps to 100 Mbps (Per End)	$ 938	
AH-UPG-BNW-010-150-HCP	Horizon Compact+ Upgrade 10 Mbps to 150 Mbps (Per End)	$ 1,063	
AH-UPG-BNW-010-200-HCP	Horizon Compact+ Upgrade 10 Mbps to 200 Mbps (Per End)	$ 1,188	
AH-UPG-BNW-010-300-HCP	Horizon Compact+ Upgrade 10 Mbps to 300 Mbps (Per End)	$ 1,563	
AH-UPG-BNW-010-350-HCP	Horizon Compact+ Upgrade 10 Mbps to 350 Mbps (Per End)	$ 1,875	
AH-UPG-BNW-010-400-HCP	Horizon Compact+ Upgrade 10 Mbps to 400 Mbps (Per End)	$ 2,188	
AH-UPG-BNW-010-450-HCP	Horizon Compact+ Upgrade 10 Mbps to 450 Mbps (Per End)	$ 2,313	
AH-UPG-BNW-010-500-HCP	Horizon Compact+ Upgrade 10 Mbps to 500 Mbps (Per End)	$ 2,438	
A-UPG-PFT-AAM	Link Upgrade, Horizon Compact+ Feature, Hitless Automatic Adaptive Mod., Adv Feature	$ 650	
A-UPG-PFT-AET	Link Upgrade, Horizon Compact+ Feature, Enhanced Ethernet, Adv. Feature	$ 650	
A-UPG-PFT-BUN	Link Upgrade, Horizon Compact+ Feature, Bundle (AAM, Enhanced Ethernet)	$ 1,000	
A-UPG-PFT-BWA	Link Upgrade, Horizon Compact+ Feature, Bandwidth Accelerator (BAC). requires adv. hardware configuration to upgrade	$ 1,500	
A-UPG-PFT-AES	Link Upgrade, Horizon Compact+ Feature, 256 AES, Adv. Feature. requires adv. hardware configuration to upgrade	$ 2,500	
A-UPG-PFT-ALL	Link Upgrade, Horizon Compact+ Feature, All Advanced Features. requires adv. hardware configuration to upgrade	$ 4,000	
AH-UPG-PFT-AAM	End Upgrade, Horizon Compact+ Feature, Hitless Automatic Adaptive Mod., Adv Feature	$ 325	
AH-UPG-PFT-AET	End Upgrade, Horizon Compact+ Feature, Enhanced Ethernet, Adv. Feature	$ 325	
AH-UPG-PFT-BUN	End Upgrade, Horizon Compact+ Feature, Bundle (AAM, Enhanced Ethernet)	$ 500	
AH-UPG-PFT-BWA	End Upgrade, Horizon Compact+ Feature, Bandwidth Accelerator (BAC). requires adv. hardware configuration to upgrade	$ 750	
AH-UPG-PFT-AES	End Upgrade, Horizon Compact+ Feature, 256 AES, Adv. Feature. requires adv. hardware configuration to upgrade	$ 1,250	
AH-UPG-PFT-ALL	End Upgrade, Horizon Compact+ Feature, All Advanced Features. requires adv. hardware configuration to upgrade	$ 2,000	
S-TRN-AP-CS-1D	Training at customer site per day per class (Travel Costs additional)	$ 2,000	
S-TRN-AP-KT-1D	Training at Dragonwave per day per student	$ 750	
Additional Options and Accessories			
A-CAB-PWR-NA-CP	Horizon Compact+ Power Cable (Brick to Surge Protector)	$ 50	
A-OPT-CAB-BBF-HC-3	Horizon Fibre Optic Multimode Cable,3 Metres	$ 400	
A-OPT-CAB-HSB-CP-1	Horizon Compact+, Hot Standby Cable, BNC Connectors, 1M	$ 100	
A-OPT-CAB-HSB-CP-5	Horizon Compact+, Hot Standby Cable, BNC Connectors, 5M	$ 200	
A-OPT-CAB-HSF-CP	Y- Cable for HotStandby Fiber	$ 250	
A-OPT-CAB-HSM-CP	Horizon Compact+, Hot Standby Cable, Military Connector	$ 750	
A-OPT-CAB-HSC-CP	Horizon Compact+, RF45 jumper cable	$ 150	
A-OPT-HWR-ALMK-38	Antennaless mounting kit, 38 Ghz (One End)	$ 250	
A-OPT-HWR-CONK-02-CP	Horizon Compact+ Connector Kit R2, 2 Glands and 4 RJ45 Connectors - CONEC (HC Compatible)	$ 100	
A-OPT-HWR-CONK-01-CP	Horizon Compact+ Connector Kit R2, 2 Glands and 4 RJ45 Connectors - Amphenol	$ 100	
A-OPT-HWR-FCMM-CP	Horizon Compact+ Fiber Connector - Multi-Mode	$ 200	
A-OPT-HWR-FCSM-CP	Horizon Compact+ Fiber Connector - Single-Mode	$ 200	
A-OPT-HWR-RMIS-CP	Horizon Compact+ Indoor Rack Mount for Surge Protector	$ 100	

A-OPT-HWR-RMIS-CP-23	Horizon Compact+ Indoor 23" Rack Mount for Surge Protector	$	100
A-OPT-IDMC-CP-01	Horizon Compact+ Indoor MIL Connector Surge Protector for Bundled Cable Release 1.1	$	300
A-OPT-IDPE-CP-02	Horizon Compact+ Indoor Power On Ethernet Injector	$	300
A-OPT-MLSR-HC-02	Horizon Compact MIL Connector Surge Protector for Bundled Cable Release 1.1	$	300
A-OPT-PONE-CP-02	Horizon Compact Power On Ethernet Injector	$	300
A-OPT-ZFP-MLSR	Zero FootPrint Unit with Surge Protector for Bundled Cable (Does not include SDU)	$	3,000
A-OPT-ZFP-PONE	Zero FootPrint Unit with PonE (Does not include SDU)	$	3,000
A-SPA-PWR-EU-CP	Spare AC European Power Supply	$	125
A-SPA-PWR-NA-CP	Spare AC North America Power Supply	$	125
A-OPT-CMB-ETH	2 port Ethernet combiner/splitter. 1 per HC+ physical port	$	50
A-OPT-RJ45-KIT	RJ45 Connector Pair	$	10

Horizon Avenue Link

Part Number	Description	List (USD)	Notes
Hardware Configurations Conventions			
AC-HP-XX-XX-X-**S**-010-N-00-R2	Standard Hardware	$ 8,200	*Complete Link*
AC-HP-XX-XX-X-**X**-010-N-00-R2	Advanced Hardware Configuration w. Encryption	$ 9,000	*Complete Link*
AH-HP-XX-XX-X-**S**-010-N-00-R2	Standard Hardware - Transmit High Radio	$ 4,100	*Half Link*
AH-HP-XX-XX-X-**X**-010-N-00-R2	Advanced Hardware Configuration w. Encryption - Transmit High Radio	$ 4,500	*Half Link*
AL-HP-XX-XX-X-**S**-010-N-00-R2	Standard Hardware - Transmit Low Radio	$ 4,100	*Half Link*
AL-HP-XX-XX-X-**X**-010-N-00-R2	Advanced Hardware Configuration w. Encryption - Transmit Low Radio	$ 4,500	*Half Link*
Frequency Bands			
XX-HP-**24-B1**-X-X-10-N-00-R2	24 GHz - Band 1	$ -	*Please consult tuning guide for band availability*
XX-HP-**26-B1**-X-X-10-N-00-R2	26 GHz - Band 1	$ -	*Please consult tuning guide for band availability*
XX-HP-**26-B2**-X-X-10-N-00-R2	26 GHz - Band 2	$ -	*Please consult tuning guide for band availability*
XX-HP-**26-B3**-X-X-10-N-00-R2	26 GHz - Band 3	$ -	*Please consult tuning guide for band availability*
XX-HP-**28-B1**-X-X-10-N-00-R2	28 GHz - Band 1	$ -	*Please consult tuning guide for band availability*
XX-HP-**28-B2**-X-X-10-N-00-R2	28 GHz - Band 2	$ -	*Please consult tuning guide for band availability*
XX-HP-**28-B3**-X-X-10-N-00-R2	28 GHz - Band 3	$ -	*Please consult tuning guide for band availability*
XX-HP-**28-B4**-X-X-10-N-00-R2	28 GHz - Band 4	$ -	*Please consult tuning guide for band availability*
XX-HP-**38-B1**-X-X-10-N-00-R2	38 GHz - Band 1	$ -	*Please consult tuning guide for band availability*
XX-HP-**38-B2**-X-X-10-N-00-R2	38 GHz - Band 2	$ -	*Please consult tuning guide for band availability*
XX-HP-**38-B3**-X-X-10-N-00-R2	38 GHz - Band 3	$ -	*Please consult tuning guide for band availability*
XX-HP-**38-B4**-X-X-10-N-00-R2	38 GHz - Band 4	$ -	*Please consult tuning guide for band availability*
XX-HP-**38-B5**-X-X-10-N-00-R2	38 GHz - Band 5	$ -	*Please consult tuning guide for band availability*
XX-HP-**56-B1**-X-X-10-N-00-R2	56 GHz - Band 1	$ -	*Please consult tuning guide for band availability*
XX-HP-**56-B2**-X-X-10-N-00-R2	56 GHz - Band 2	$ -	*Please consult tuning guide for band availability*
XX-HP-**58-B1**-X-X-10-N-00-R2	58 GHz - Band 1	$ -	*Please consult tuning guide for band availability*
XX-HP-**58-B2**-X-X-10-N-00-R2	58 GHz - Band 2	$ -	*Please consult tuning guide for band availability*
Interface and Power Options			
XX-HP-XX-XX-**F**-X-010-N-00-R2	LC Fiber, Multi-Mode; DC Flying Lead; Inband Only	$ -	*Please consult Configuration Guide for more details*
XX-HP-XX-XX-**G**-X-010-N-00-R2	LC Fiber, Multi-Mode; PonE; Inband or Out-of-Band	$ -	*Please consult Configuration Guide for more details*
XX-HP-XX-XX-**L**-X-010-N-00-R2	LC Fiber, Single-Mode; DC Flying Lead; Inband Only	$ -	*Please consult Configuration Guide for more details*
XX-HP-XX-XX-**M**-X-010-N-00-R2	LC Fiber, Single-Mode; PonE; Inband or Out-of-Band	$ -	*Please consult Configuration Guide for more details*
XX-HP-XX-XX-**T**-X-010-N-00-R2	RJ45 Ethernet; DC Flying Lead; Inband Only	$ -	*Please consult Configuration Guide for more details*
XX-HP-XX-XX-**S**-X-010-N-00-R2	RJ45 Ethernet; PonE; Inband Only	$ -	*Please consult Configuration Guide for more details*
Specific Hardware and Frequency Band Codes			
(Expand group to see all parts)			
Initial Capacity Upgrades			
A-FUP-BNW-010-020-AL	Avenue Link Upgrade 10 Mbps to 20 Mbps (Per Link)	$ 200	*Day 1 Capacity*
A-FUP-BNW-010-040-AL	Avenue Link Upgrade 10 Mbps to 40 Mbps (Per Link)	$ 600	*Day 1 Capacity*
A-FUP-BNW-010-050-AL	Avenue Link Upgrade 10 Mbps to 50 Mbps (Per Link)	$ 1,000	*Day 1 Capacity*
A-FUP-BNW-010-100-AL	Avenue Link Upgrade 10 Mbps to 100 Mbps (Per Link)	$ 1,500	*Day 1 Capacity*
A-FUP-BNW-010-150-AL	Avenue Link Upgrade 10 Mbps to 150 Mbps (Per Link)	$ 1,700	*Day 1 Capacity*
A-FUP-BNW-010-200-AL	Avenue Link Upgrade 10 Mbps to 200 Mbps (Per Link)	$ 1,900	*Day 1 Capacity*
A-FUP-BNW-010-300-AL	Avenue Link Upgrade 10 Mbps to 300 Mbps (Per Link)	$ 2,500	*Day 1 Capacity*
A-FUP-BNW-010-350-AL	Avenue Link Upgrade 10 Mbps to 350 Mbps (Per Link)	$ 3,000	*Day 1 Capacity*
A-FUP-BNW-010-400-AL	Avenue Link Upgrade 10 Mbps to 400 Mbps (Per Link)	$ 3,500	*Day 1 Capacity*
A-FUP-BNW-010-450-AL	Avenue Link Upgrade 10 Mbps to 450 Mbps (Per Link)	$ 4,000	*Day 1 Capacity*
A-FUP-BNW-010-500-AL	Avenue Link Upgrade 10 Mbps to 500 Mbps (Per Link)	$ 4,500	*Day 1 Capacity*
AH-FUP-BNW-010-020-AL	Avenue Link Upgrade 10 Mbps to 20 Mbps (Per End)	$ 100	*Day 1 Capacity*
AH-FUP-BNW-010-040-AL	Avenue Link Upgrade 10 Mbps to 40 Mbps (Per End)	$ 300	*Day 1 Capacity*
AH-FUP-BNW-010-050-AL	Avenue Link Upgrade 10 Mbps to 50 Mbps (Per End)	$ 500	*Day 1 Capacity*
AH-FUP-BNW-010-100-AL	Avenue Link Upgrade 10 Mbps to 100 Mbps (Per End)	$ 750	*Day 1 Capacity*
AH-FUP-BNW-010-150-AL	Avenue Link Upgrade 10 Mbps to 150 Mbps (Per End)	$ 850	*Day 1 Capacity*

AH-FUP-BNW-010-200-AL	Avenue Link Upgrade 10 Mbps to 200 Mbps (Per End)	$ 950	*Day 1 Capacity*
AH-FUP-BNW-010-300-AL	Avenue Link Upgrade 10 Mbps to 300 Mbps (Per End)	$ 1,250	*Day 1 Capacity*
AH-FUP-BNW-010-350-AL	Avenue Link Upgrade 10 Mbps to 350 Mbps (Per End)	$ 1,500	*Day 1 Capacity*
AH-FUP-BNW-010-400-AL	Avenue Link Upgrade 10 Mbps to 400 Mbps (Per End)	$ 1,750	*Day 1 Capacity*
AH-FUP-BNW-010-450-AL	Avenue Link Upgrade 10 Mbps to 450 Mbps (Per End)	$ 2,000	*Day 1 Capacity*
AH-FUP-BNW-010-500-AL	Avenue Link Upgrade 10 Mbps to 500 Mbps (Per End)	$ 2,250	*Day 1 Capacity*
Initial Standard Feature Upgrades			
A-FUP-AFT-AAM	Link Upgrade, Avenue Link Feature, Hitless Automatic Adaptive Mod., Adv Feature	$ 500	*Day 1 Feature*
A-FUP-AFT-AET	Link Upgrade, Avenue Link Feature, Enhanced Ethernet, Adv. Feature	$ 500	*Day 1 Feature*
A-FUP-AFT-BUN	Link Upgrade, Avenue Link Feature, Bundle (AAM, Enhanced Ethernet)	$ 800	*Day 1 Feature*
AH-FUP-AFT-AAM	End Upgrade, Avenue Link Feature, Hitless Automatic Adaptive Mod., Adv Feature	$ 250	*Day 1 Feature*
AH-FUP-AFT-AET	End Upgrade, Avenue Link Feature, Enhanced Ethernet, Adv. Feature	$ 250	*Day 1 Feature*
AH-FUP-AFT-BUN	End Upgrade, Avenue Link Feature, Bundle (AAM, Enhanced Ethernet)	$ 400	*Day 1 Feature*
Initial Advanced Feature Upgrades			
A-FUP-AFT-AES	Link Upgrade, Avenue Link Feature, 256 AES, Adv. Feature. Requires advanced hardware configuration to upgrade	$ 2,200	*Day 1 Feature*
A-FUP-AFT-BWA	Link Upgrade, Avenue Link Feature, Bandwidth Accelerator (BAC). Requires advanced hardware configuration to upgrade	$ 1,200	*Day 1 Feature*
A-FUP-AFT-ALL	Link Upgrade, Avenue Link Feature, All Advanced Features. Requires advanced hardware configuration to upgrade	$ 2,800	*Day 1 Feature*
AH-FUP-AFT-AES	End Upgrade, Avenue Link Feature, 256 AES, Adv. Feature. Requires advanced hardware configuration to upgrade	$ 1,100	*Day 1 Feature*
AH-FUP-AFT-BWA	End Upgrade, Avenue Link Feature, Bandwidth Accelerator (BAC). Requires advanced hardware configuration to upgrade	$ 600	*Day 1 Feature*
AH-FUP-AFT-ALL	End Upgrade, Avenue Link Feature, All Advanced Features. Requires advanced hardware configuration to upgrade	$ 1,400	*Day 1 Feature*
Bandwidth and Feature Upgrades			
A-UPG-BNW-010-020-AL	Avenue Link Upgrade 10 Mbps to 20 Mbps (Per Link)	$ 250	*Day 2 Capacity*
A-UPG-BNW-020-040-AL	Avenue Link Upgrade 20 Mbps to 40 Mbps (Per Link)	$ 500	*Day 2 Capacity*
A-UPG-BNW-040-050-AL	Avenue Link Upgrade 40 Mbps to 50 Mbps (Per Link)	$ 500	*Day 2 Capacity*
A-UPG-BNW-050-100-AL	Avenue Link Upgrade 50 Mbps to 100 Mbps (Per Link)	$ 625	*Day 2 Capacity*
A-UPG-BNW-100-150-AL	Avenue Link Upgrade 100 Mbps to 150 Mbps (Per Link)	$ 250	*Day 2 Capacity*
A-UPG-BNW-150-200-AL	Avenue Link Upgrade 150 Mbps to 200 Mbps (Per Link)	$ 250	*Day 2 Capacity*
A-UPG-BNW-200-300-AL	Avenue Link Upgrade 200 Mbps to 300 Mbps (Per Link)	$ 750	*Day 2 Capacity*
A-UPG-BNW-300-350-AL	Avenue Link Upgrade 300 Mbps to 350 Mbps (Per Link)	$ 625	*Day 2 Capacity*
A-UPG-BNW-350-400-AL	Avenue Link Upgrade 350 Mbps to 400 Mbps (Per Link)	$ 625	*Day 2 Capacity*
A-UPG-BNW-010-040-AL	Avenue Link Upgrade 10 Mbps to 40 Mbps (Per Link)	$ 750	*Day 2 Capacity*
A-UPG-BNW-010-050-AL	Avenue Link Upgrade 10 Mbps to 50 Mbps (Per Link)	$ 1,000	*Day 2 Capacity*
A-UPG-BNW-010-100-AL	Avenue Link Upgrade 10 Mbps to 100 Mbps (Per Link)	$ 1,875	*Day 2 Capacity*
A-UPG-BNW-010-150-AL	Avenue Link Upgrade 10 Mbps to 150 Mbps (Per Link)	$ 2,125	*Day 2 Capacity*
A-UPG-BNW-010-200-AL	Avenue Link Upgrade 10 Mbps to 200 Mbps (Per Link)	$ 2,375	*Day 2 Capacity*
A-UPG-BNW-010-300-AL	Avenue Link Upgrade 10 Mbps to 300 Mbps (Per Link)	$ 3,125	*Day 2 Capacity*
A-UPG-BNW-010-350-AL	Avenue Link Upgrade 10 Mbps to 350 Mbps (Per Link)	$ 3,750	*Day 2 Capacity*
A-UPG-BNW-010-400-AL	Avenue Link Upgrade 10 Mbps to 400 Mbps (Per Link)	$ 4,375	*Day 2 Capacity*
A-UPG-BNW-010-450-AL	Avenue Link Upgrade 10 Mbps to 450 Mbps (Per Link)	$ 4,625	*Day 2 Capacity*
A-UPG-BNW-010-500-AL	Avenue Link Upgrade 10 Mbps to 500 Mbps (Per Link)	$ 4,875	*Day 2 Capacity*
A-UPG-AFT-AAM	Link Upgrade, Avenue Link Feature, Hitless Automatic Adaptive Mod., Adv Feature A0	$ 650	*Day 2 Feature*
A-UPG-AFT-AET	Link Upgrade, Avenue Link Feature, Enhanced Ethernet, Adv. Feature B0	$ 650	*Day 2 Feature*
A-UPG-AFT-BUN	Link Upgrade, Avenue Link Feature, Bundle (AAM, Enhanced Ethernet), AB	$ 1,000	*Day 2 Feature*
A-UPG-AFT-BWA	Link Upgrade, Avenue Link Feature, Bandwidth Accelerator (BAC). Requires advanced hardware configuration to upgrade	$ 1,500	*Day 2 Feature*
A-UPG-AFT-AES	Link Upgrade, Avenue Link Feature, 256 AES, Adv. Feature. Requires advanced hardware configuration to upgrade	$ 2,500	*Day 2 Feature*
A-UPG-AFT-ALL	Link Upgrade, Avenue Link Feature, All Advanced Features. Requires advanced hardware configuration to upgrade	$ 4,000	*Day 2 Feature*
AH-UPG-BNW-010-020-AL	Avenue Link Upgrade 10 Mbps to 20 Mbps (Per End)	$ 125	*Day 2 Capacity*
AH-UPG-BNW-020-040-AL	Avenue Link Upgrade 20 Mbps to 40 Mbps (Per End)	$ 250	*Day 2 Capacity*
AH-UPG-BNW-040-050-AL	Avenue Link Upgrade 40 Mbps to 50 Mbps (Per End)	$ 250	*Day 2 Capacity*
AH-UPG-BNW-050-100-AL	Avenue Link Upgrade 50 Mbps to 100 Mbps (Per End)	$ 313	*Day 2 Capacity*
AH-UPG-BNW-100-150-AL	Avenue Link Upgrade 100 Mbps to 150 Mbps (Per End)	$ 125	*Day 2 Capacity*
AH-UPG-BNW-150-200-AL	Avenue Link Upgrade 150 Mbps to 200 Mbps (Per End)	$ 125	*Day 2 Capacity*
AH-UPG-BNW-200-300-AL	Avenue Link Upgrade 200 Mbps to 300 Mbps (Per End)	$ 375	*Day 2 Capacity*
AH-UPG-BNW-300-350-AL	Avenue Link Upgrade 300 Mbps to 350 Mbps (Per End)	$ 313	*Day 2 Capacity*
AH-UPG-BNW-350-400-AL	Avenue Link Upgrade 350 Mbps to 400 Mbps (Per End)	$ 313	*Day 2 Capacity*
AH-UPG-BNW-010-040-AL	Avenue Link Upgrade 10 Mbps to 40 Mbps (Per End)	$ 375	*Day 2 Capacity*
AH-UPG-BNW-010-050-AL	Avenue Link Upgrade 10 Mbps to 50 Mbps (Per End)	$ 500	*Day 2 Capacity*
AH-UPG-BNW-010-100-AL	Avenue Link Upgrade 10 Mbps to 100 Mbps (Per End)	$ 938	*Day 2 Capacity*

AH-UPG-BNW-010-150-AL	Avenue Link Upgrade 10 Mbps to 150 Mbps (Per End)	$ 1,063	*Day 2 Capacity*
AH-UPG-BNW-010-200-AL	Avenue Link Upgrade 10 Mbps to 200 Mbps (Per End)	$ 1,188	*Day 2 Capacity*
AH-UPG-BNW-010-300-AL	Avenue Link Upgrade 10 Mbps to 300 Mbps (Per End)	$ 1,563	*Day 2 Capacity*
AH-UPG-BNW-010-350-AL	Avenue Link Upgrade 10 Mbps to 350 Mbps (Per End)	$ 1,875	*Day 2 Capacity*
AH-UPG-BNW-010-400-AL	Avenue Link Upgrade 10 Mbps to 400 Mbps (Per End)	$ 2,188	*Day 2 Capacity*
AH-UPG-BNW-010-450-AL	Avenue Link Upgrade 10 Mbps to 450 Mbps (Per End)	$ 2,313	*Day 2 Capacity*
AH-UPG-BNW-010-500-AL	Avenue Link Upgrade 10 Mbps to 500 Mbps (Per End)	$ 2,438	*Day 2 Capacity*
AH-UPG-AFT-AAM	End Upgrade, Avenue Link Feature, Hitless Automatic Adaptive Mod., Adv Feature A0	$ 325	*Day 2 Feature*
AH-UPG-AFT-AET	End Upgrade, Avenue Link Feature, Enhanced Ethernet, Adv. Feature B0	$ 325	*Day 2 Feature*
AH-UPG-AFT-BUN	End Upgrade, Avenue Link Feature, Bundle (AAM, Enhanced Ethernet), AB	$ 500	*Day 2 Feature*
AH-UPG-AFT-BWA	End Upgrade, Avenue Link Feature, Bandwidth Accelerator (BAC). Requires advanced hardware configuration to upgrade	$ 750	*Day 2 Feature*
AH-UPG-AFT-AES	End Upgrade, Avenue Link Feature, 256 AES, Adv. Feature. Requires advanced hardware configuration to upgrade	$ 1,250	*Day 2 Feature*
AH-UPG-AFT-ALL	End Upgrade, Avenue Link Feature, All Advanced Features. Requires advanced hardware configuration to upgrade	$ 2,000	*Day 2 Feature*

Installation Kits and Installation Accessories

AH-INK-CPIA-AC-AL-R1	Avenue Link, Inband MGMT, CAT5E Connectors, AC Half Install Kit (N. America) - AC/DC PSU, PonE - Incl 1 Gland and 2 RJ-45 Connectors-Amphenol	$ 500	*Half Link*
AH-INK-CPIA-DC-AL-R1	Avenue Link, Inband MGMT, CAT5E Connectors, DC Half Install Kit (Global) - DC Surge (non-PonE) - Incl 1 Gland and 2 RJ-45 Connectors-Amphenol	$ 320	*Half Link*
A-OPT-HWR-OD-PSU	Avenue Link, Outdoor AC/DC PSU	$ 150	*Per End*
A-OPT-HWR-CONK-01-CP	Avenue Link, RJ45 Connector Kit	$ 100	*Per Link*
A-OPT-HWR-GND	Avenue Link, Ground Kit	$ 30	*Per End*
A-OPT-HWR-PONE-SRG	Avenue Link, PonE Surge Arrestor	$ 300	*Per End*
A-OPT-HWR-DC-SRG	Avenue Link, DC Surge Arrestor	$ 220	*Per End*
A-OPT-INS-ELV-AL	Avenue Link, Elevation Fine Adjust Tool	$ 30	*Per End*
A-OPT-HWR-MNT-AL	Avenue Link, Mounting Kit (Required for pole-mount)	$ 150	*Per End*
A-OPT-HWR-BCM-AL	Avenue Link, Offset Mounting Bracket required where pole > 4"/101.6mm)	$ 40	*Per End*

Cables

A-CAB-CPF-3-R1	Avenue Link Fibreoptic Cable, Multi-Mode, 3M
A-CAB-CPF-5-R1	Avenue Link Fibreoptic Cable, Multi-Mode, 5M
A-CAB-CPL-3-R1	Avenue Link Fibreoptic Cable, Single-Mode, 3M
A-CAB-CPL-5-R1	Avenue Link Fibreoptic Cable, Single-Mode, 5M
A-CAB-CPA-3-R1	Avenue Link Rugged Copper Cable, 3m
A-CAB-CPA-6-R1	Avenue Link Rugged Copper Cable, 6m

Note - Horizon Compact+ Fibre and Rugged cable lengths can be used as well

Warranty Options

S-WTY-CP-GL-1YR	1 Year Horizon Compact+ Global Extended Warranty - Purchased in First year	$ 750
S-ARP-CP-GL-1YR	1 Year Horizon Compact+ Global Advanced replacement (Next Business Day) - Purchased in First year	$ 500
S-247-CP-GL-1YR	1 Year Horizon Compact+ Global 24x7 Support - Purchased in First year	$ 500
S-WTY-CP-GL-3YR	3 Year Horizon Compact+ Global Warranty (2 Year Extension from STD) - Purchased in First year	$ 1,350
S-ARP-CP-GL-3YR	3 Year Horizon Compact+ Global Advanced replacement (Next Business Day) - Incl. Warranty - Purchased in First year	$ 2,700
S-247-CP-GL-3YR	3 Year Horizon Compact+ Global 24x7 Support - Incl. Warranty - Purchased in First year	$ 2,700
S-DCR-CP-GL-3YR	3 Year Horizon Compact+ Global DragonCare (24x7 Support, Adv. Replacement, Warranty) - Purchased in First year	$ 4,050
S-WTY-CP-GL-5YR	5 Year Horizon Compact+ Global Warranty (4 Year Extension from STD) - Purchased in First year	$ 2,400
S-ARP-CP-GL-5YR	5 Year Horizon Compact+ Global Advanced replacement (Next Business Day) - Includes Warranty - Purchased in First year	$ 4,400
S-247-CP-GL-5YR	5 Year Horizon Compact+ Global 24x7 Support - Incl. Warranty - Purchased in First year	$ 4,400
S-DCR-CP-GL-5YR	5 Year Horizon Compact+ Global DragonCare (24x7 Support, Adv. Replacement, Warranty) - Purchased in First year	$ 6,400
S-RWT-CP-GL-1YR	1 Year Horizon Compact+ Global Warranty Renewal	$ 1,000
S-RAR-CP-GL-1YR	1 Year Horizon Compact+ Global Advanced replacement Renewal (Next Business Day + Sat) - Includes Warranty	$ 1,500
S-R24-CP-GL-1YR	1 Year Horizon Compact+ Global 24x7 Support Renewal - Includes Warranty	$ 1,500
S-RDC-CP-GL-1YR	1 Year Horizon Compact+ Global DragonCare Renewal (24x7 Support, Adv. Replacement, Warranty)	$ 2,000
S-RWT-CP-GL-1YR	1 Year Horizon Compact+ Global Warranty Renewal	$ 1,000
S-RAR-CP-GL-1YR	1 Year Horizon Compact+ Global Advanced replacement Renewal (Next Business Day + Sat) - Includes Warranty	$ 1,500
S-R24-CP-GL-1YR	1 Year Horizon Compact+ Global 24x7 Support Renewal - Includes Warranty	$ 1,500
S-RDC-CP-GL-1YR	1 Year Horizon Compact+ Global DragonCare Renewal (24x7 Support, Adv. Replacement, Warranty)	$ 2,000
S-RWT-CP-GL-3YR	3 Year Horizon Compact+ Global Warranty Renewal	$ 2,025
S-RAR-CP-GL-3YR	3 Year Horizon Compact+ Global Advanced Replacement Renewal (Next Business Day + Sat) - Includes Warranty	$ 3,375
S-R24-CP-GL-3YR	3 Year Horizon Compact+ Global 24x7 Support Renewal - Includes Warranty	$ 3,375
S-RDC-CP-GL-3YR	3 Year Horizon Compact+ Global DragonCare Renewal (24x7 Support, Adv. Replacement, Warranty)	$ 4,725
S-RWT-CP-GL-5YR	5 Year Horizon Compact+ Global Warranty Renewal	$ 3,000
S-RAR-CP-GL-5YR	5 Year Horizon Compact+ Global Advanced replacement Renewal (Next Business Day + Sat) - Includes Warranty	$ 5,000
S-R24-CP-GL-5YR	5 Year Horizon Compact+ Global 24x7 Support Renewal - Includes Warranty	$ 5,000
S-RDC-CP-GL-5YR	5 Year Horizon Compact+ Global DragonCare Renewal (24x7 Support, Adv. Replacement, Warranty)	$ 7,000

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Part Number	Description	List (USD)	Notes
Base Hardware Configurations			
QC-HP-XX-XX-**S**-R1-050-N00	50 Mbps Horizon Quantum System, Single Channel, Single Radio;48V DC **(Basic Configuration)**	$ 10,500	*Complete Link*
QC-HP-XX-XX-**D**-R1-050-N00	50 Mbps Horizon Quantum System, Dual Channel, Single Radio;48V DC	$ 11,500	*Complete Link*
QC-HP-XX-XX-**M**-R1-050-N00	50 Mbps Horizon Quantum System, Dual Channel, Dual Radio (Requires Extra Radios to be ordered);48V DC	$ 11,500	*Complete Link*
QC-HP-XX-XX-**A**-R1-050-N00	50 Mbps Horizon Quantum System, Single Channel, Single Radio;48V DC; Extended Temperature (-40C +60C)	$ 10,700	*Complete Link*
QC-HP-XX-XX-**B**-R1-050-N00	50 Mbps Horizon Quantum System, Dual Channel, Single Radio;48V DC; Extended Temperature (-40C +60C)	$ 11,700	*Complete Link*
QC-HP-XX-XX-**C**-R1-050-N00	50 Mbps Horizon Quantum System, Dual Channel, Dual Radio (Requires Extra Radios to be ordered);48V DC; Extended Temperature (-40C +60C)	$ 11,700	*Complete Link*
Frequency Bands			
QC-HP-**L6-B1**-X-R1-050-N00	Lower 6 GHz Band 1	$ -	*Please consult tuning guide for band availability*
QC-HP-**L6-B2**-X-R1-050-N00	Lower 6 GHz Band 2	$ -	*Please consult tuning guide for band availability*
QC-HP-**U6-B1**-X-R1-050-N00	Upper 6 GHz Band 1	$ -	*Please consult tuning guide for band availability*
QC-HP-**U6-B2**-X-R1-050-N00	Upper 6 GHz Band 2	$ -	*Please consult tuning guide for band availability*
QC-HP-**U6-B3**-X-R1-050-N00	Upper 6 GHz Band 3	$ -	*Please consult tuning guide for band availability*
QC-HP-**U6-B4**-X-R1-050-N00	Upper 6 GHz Band 4	$ -	*Please consult tuning guide for band availability*
QC-HP-**U6-B5**-X-R1-050-N00	Upper 6 GHz Band 5	$ -	*Please consult tuning guide for band availability*
QC-EP-**L7-B1**-X-R1-050-N00	Lower 7 GHz Band 1	$ 900.00	*Please consult tuning guide for band availability*
QC-EP-**L7-B2**-X-R1-050-N00	Lower 7 GHz Band 2	$ 900.00	*Please consult tuning guide for band availability*
QC-EP-**U7-B1**-X-R1-050-N00	Upper 7 GHz Band 1	$ 900.00	*Please consult tuning guide for band availability*
QC-EP-**U7-B2**-X-R1-050-N00	Upper 7 GHz Band 2	$ 900.00	*Please consult tuning guide for band availability*
QC-EP-**L8-B1**-X-R1-050-N00	Lower 8 GHz Band 1	$ 900.00	*Please consult tuning guide for band availability*
QC-EP-**L8-B2**-X-R1-050-N00	Lower 8 GHz Band 2	$ 900.00	*Please consult tuning guide for band availability*
QC-EP-**L8-B3**-X-R1-050-N00	Lower 8 GHz Band 3	$ 900.00	*Please consult tuning guide for band availability*
QC-EP-**L8-B4**-X-R1-050-N00	Lower 8 GHz Band 4	$ 900.00	*Please consult tuning guide for band availability*
QC-EP-**L8-B5**-X-R1-050-N00	Lower 8 GHz Band 5	$ 900.00	*Please consult tuning guide for band availability*
QC-EP-**U8-B1**-X-R1-050-N00	Upper 8 GHz Band 1	$ 900.00	*Please consult tuning guide for band availability*
QC-EP-**U8-B2**-X-R1-050-N00	Upper 8 GHz Band 2	$ 900.00	*Please consult tuning guide for band availability*
QC-EP-**H7-B1**-X-R1-050-N00	7/8 Ghz Band 1	$ 900.00	*Please consult tuning guide for band availability*
QC-EP-**H7-B2**-X-R1-050-N00	7/8 Ghz Band 2	$ 900.00	*Please consult tuning guide for band availability*
QC-EP-**H7-B3**-X-R1-050-N00	7/8 Ghz Band 3	$ 900.00	*Please consult tuning guide for band availability*
QC-EP-**H7-B4**-X-R1-050-N00	7/8 Ghz Band 4	$ 900.00	*Please consult tuning guide for band availability*
QC-EP-**H7-B5**-X-R1-050-N00	7/8 Ghz Band 5	$ 900.00	*Please consult tuning guide for band availability*
QC-EP-**H7-B6**-X-R1-050-N00	7/8 Ghz Band 6	$ 900.00	*Please consult tuning guide for band availability*
QC-EP-**H7-B7**-X-R1-050-N00	7/8 Ghz Band 7	$ 900.00	*Please consult tuning guide for band availability*
QC-EP-**H7-B8**-X-R1-050-N00	7/8 Ghz Band 8	$ 900.00	*Please consult tuning guide for band availability*
QC-EP-**H7-B9**-X-R1-050-N00	7/8 Ghz Band 9	$ 900.00	*Please consult tuning guide for band availability*
QC-EP-**H7-10**-X-R1-050-N00	7/8 Ghz Band 10	$ 900.00	*Please consult tuning guide for band availability*
QC-HP-**11-B1**-X-R1-050-N00	11 GHz Band 1	$ -	*Please consult tuning guide for band availability*
QC-HP-**11-B2**-X-R1-050-N00	11 GHz Band 2	$ -	*Please consult tuning guide for band availability*
QC-HP-**11-B3**-X-R1-050-N00	11 GHz Band 3	$ -	*Please consult tuning guide for band availability*
QC-HP-**11-B4**-X-R1-050-N00	11 GHz Band 4	$ -	*Please consult tuning guide for band availability*
QC-HP-**13-B1**-X-R1-050-N00	13 GHz Band 1	$ -	*Please consult tuning guide for band availability*
QC-HP-**13-B2**-X-R1-050-N00	13 GHz Band 2	$ -	*Please consult tuning guide for band availability*
QC-HP-**13-B3**-X-R1-050-N00	13 GHz Band 3	$ -	*Please consult tuning guide for band availability*
QC-HP-**13-B4**-X-R1-050-N00	13 GHz Band 4	$ -	*Please consult tuning guide for band availability*
QC-HP-**15-B1**-X-R1-050-N00	15 GHz Band 1	$ -	*Please consult tuning guide for band availability*
QC-HP-**15-B2**-X-R1-050-N00	15 GHz Band 2	$ -	*Please consult tuning guide for band availability*
QC-HP-**15-B3**-X-R1-050-N00	15 GHz Band 3	$ -	*Please consult tuning guide for band availability*
QC-HP-**15-B4**-X-R1-050-N00	15 GHz Band 4	$ -	*Please consult tuning guide for band availability*
QC-HP-**18-B1**-X-R1-050-N00	18 GHz Band 1	$ -	*Please consult tuning guide for band availability*
QC-HP-**18-B2**-X-R1-050-N00	18 GHz Band 2	$ -	*Please consult tuning guide for band availability*
QC-HP-**18-B3**-X-R1-050-N00	18 GHz Band 3	$ -	*Please consult tuning guide for band availability*
QC-HP-**18-B4**-X-R1-050-N00	18 GHz Band 4	$ -	*Please consult tuning guide for band availability*
QC-HP-**18-B5**-X-R1-050-N00	18 GHz Band 5	$ -	*Please consult tuning guide for band availability*
QC-HP-**23-B1**-X-R1-050-N00	23 GHz Band 1	$ -	*Please consult tuning guide for band availability*
QC-HP-**23-B2**-X-R1-050-N00	23 GHz Band 2	$ -	*Please consult tuning guide for band availability*

QC-HP-**23-B3**-X-R1-050-N00	23 GHz Band 3	$ -	*Please consult tuning guide for band availability*
QC-HP-**24-B1**-X-R1-050-N00	24 GHz DEMs Band 1	$ -	*Please consult tuning guide for band availability*
QC-HP-**26-B1**-X-R1-050-N00	26 GHz Band 1	$ -	*Please consult tuning guide for band availability*
QC-HP-**26-B2**-X-R1-050-N00	26 GHz Band 2	$ -	*Please consult tuning guide for band availability*
QC-HP-**28-B1**-X-R1-050-N00	28 GHz Band 1	$ -	*Please consult tuning guide for band availability*
QC-HP-**28-B2**-X-R1-050-N00	28 GHz Band 2	$ -	*Please consult tuning guide for band availability*
QC-HP-**28-B3**-X-R1-050-N00	28 GHz Band 3	$ -	*Please consult tuning guide for band availability*
QC-HP-**28-B4**-X-R1-050-N00	28 GHz Band 4	$ -	*Please consult tuning guide for band availability*
QC-HP-**38-B1**-X-R1-050-N00	38 GHz Band 1	$ -	*Please consult tuning guide for band availability*
QC-HP-**38-B2**-X-R1-050-N00	38 GHz Band 2	$ -	*Please consult tuning guide for band availability*
QC-HP-**38-B3**-X-R1-050-N00	38 GHz Band 3	$ -	*Please consult tuning guide for band availability*
QC-HP-**38-B4**-X-R1-050-N00	38 GHz Band 4	$ -	*Please consult tuning guide for band availability*
QC-HP-**38-B5**-X-R1-050-N00	38 GHz Band 5	$ -	*Please consult tuning guide for band availability*

Specific Hardware and Frequency Band Codes
(Expand group to see all parts)

Initial Capacity Upgrades

A-FUP-BNW-050-100-HQ	Horizon Quantum Upgrade 50 Mbps to 100 Mbps (Per Link)	$ 500.00	*Day 1 Capacity*
A-FUP-BNW-050-200-HQ	Horizon Quantum Upgrade 50 Mbps to 200 Mbps (Per Link)	$ 1,000.00	*Day 1 Capacity*
A-FUP-BNW-050-300-HQ	Horizon Quantum Upgrade 50 Mbps to 300 Mbps (Per Link)	$ 2,000.00	*Day 1 Capacity*
A-FUP-BNW-050-400-HQ	Horizon Quantum Upgrade 50 Mbps to 400 Mbps (Per Link)	$ 3,000.00	*Day 1 Capacity*
A-FUP-BNW-050-600-HQ	Horizon Quantum Upgrade 50 Mbps to 600 Mbps (Per Link - Requires Dual-Modem Configuration)	$ 4,000.00	*Day 1 Capacity*
A-FUP-BNW-050-800-HQ	Horizon Quantum Upgrade 50 Mbps to 800 Mbps (Per Link - Requires Dual-Modem Configuration)	$ 5,000.00	*Day 1 Capacity*
AH-FUP-BNW-050-100-HQ	Horizon Quantum Upgrade 50 Mbps to 100 Mbps (Per End)	$ 250.00	*Day 1 Capacity*
AH-FUP-BNW-050-200-HQ	Horizon Quantum Upgrade 50 Mbps to 200 Mbps (Per End)	$ 500.00	*Day 1 Capacity*
AH-FUP-BNW-050-300-HQ	Horizon Quantum Upgrade 50 Mbps to 300 Mbps (Per End)	$ 1,000.00	*Day 1 Capacity*
AH-FUP-BNW-050-400-HQ	Horizon Quantum Upgrade 50 Mbps to 400 Mbps (Per End)	$ 1,500.00	*Day 1 Capacity*
AH-FUP-BNW-050-600-HQ	Horizon Quantum Upgrade 50 Mbps to 600 Mbps (Per End - Requires Dual-Modem Configuration)	$ 2,000.00	*Day 1 Capacity*
AH-FUP-BNW-050-800-HQ	Horizon Quantum Upgrade 50 Mbps to 800 Mbps (Per End - Requires Dual-Modem Configuration)	$ 2,500.00	*Day 1 Capacity*

Initial Standard Feature Upgrades

A-FUP-QFT-AAM	Link Upgrade, Horizon Quantum Feature, Hitless Automatic Adaptive Mod.	$ 500.00	*Day 1 Feature*
A-FUP-QFT-STP	Link Upgrade, Horizon Quantum Feature, MSTP/RSTP (includes Adv. Ethernet)	$ 500.00	*Day 1 Feature*
A-FUP-QFT-AET	Link Upgrade, Horizon Quantum Feature, Advanced Ethernet, Rapid Link Shutdown, ECFM(802.1ag/Y.1731)	$ 500.00	*Day 1 Feature*
A-FUP-QFT-XPC	Link Upgrade, Horizon Quantum Feature, XPIC (Requires Dual-Radio Configuration)	$ 500.00	*Day 1 Feature*
A-FUP-QFT-BUN	Link Upgrade, Horizon Quantum Feature, Bundle (AAM, XPIC , MSTP/RSTP and Advanced Ethernet)	$ 1,000.00	*Day 1 Feature*
AH-FUP-QFT-AAM	End Upgrade, Horizon Quantum Feature, Hitless Automatic Adaptive Mod.	$ 250.00	*Day 1 Feature*
AH-FUP-QFT-STP	End Upgrade, Horizon Quantum Feature, MSTP/RSTP (includes Adv. Ethernet)	$ 250.00	*Day 1 Feature*
AH-FUP-QFT-AET	End Upgrade, Horizon Quantum Feature, Advanced Ethernet, Rapid Link Shutdown, ECFM(802.1ag/Y.1731)	$ 250.00	*Day 1 Feature*
AH-FUP-QFT-XPC	End Upgrade, Horizon Quantum Feature, XPIC (Requires Dual-Radio Configuration)	$ 250.00	*Day 1 Feature*
AH-FUP-QFT-BUN	End Upgrade, Horizon Quantum Feature, Bundle (AAM, XPIC , MSTP/RSTP and Advanced Ethernet)	$ 500.00	*Day 1 Feature*

Initial Advanced Feature Upgrades

A-FUP-QFT-AES	Link Upgrade, Horizon Quantum Feature, 256 AES Encryption	$ 3,000.00	*Day 1 Feature*
A-FUP-QFT-BWA	Link Upgrade, Horizon Quantum Feature, Bandwidth Accelerator (BAC).	$ 2,000.00	*Day 1 Feature*
A-FUP-QFT-ALL	Link Upgrade, Horizon Quantum Feature, All Advanced Features.	$ 4,000.00	*Day 1 Feature*
AH-FUP-QFT-AES	End Upgrade, Horizon Quantum Feature, 256 AES Encryption	$ 1,500.00	*Day 1 Feature*
AH-FUP-QFT-BWA	End Upgrade, Horizon Quantum Feature, Bandwidth Accelerator (BAC).	$ 1,000.00	*Day 1 Feature*
AH-FUP-QFT-ALL	End Upgrade, Horizon Quantum Feature, All Advanced Features.	$ 2,000.00	*Day 1 Feature*

Installation Kits

A-INK-HQD-AC-NA-R1	Horizon Quantum, Dual Radio AC Install Kit (N. America)	$ 3,200.00	*Per Link*
A-INK-HQD-AC-EU-R1	Horizon Quantum, Dual Radio AC Install Kit (Europe)	$ 3,200.00	*Per Link*
A-INK-HQD-DC-GL-R1	Horizon Quantum, Dual Radio DC Install Kit (Global)	$ 3,000.00	*Per Link*
A-INK-HQS-AC-NA-R1	Horizon Quantum, Single Radio AC Install Kit (N. America)	$ 1,700.00	*Per Link*
A-INK-HQS-AC-EU-R1	Horizon Quantum, Single Radio AC Install Kit (Europe)	$ 1,700.00	*Per Link*

A-INK-HQS-DC-GL-R1	Horizon Quantum, Single Radio DC Install Kit (Global)	$ 1,500.00	*Per Link*
Cables			
A-CAB-HQU-30-LM	Horizon Quantum Cable: 30m LMR-400 Cable	$ 400.00	
A-CAB-HQU-60-LM	Horizon Quantum Cable: 60m LMR-400 Cable	$ 500.00	
A-CAB-HQU-90-LM	Horizon Quantum Cable: 90m LMR-400 Cable	$ 600.00	
A-CAB-HQU-115-LM	Horizon Quantum Cable: 115m LMR-400 Cable	$ 750.00	
A-CAB-HQU-175-LM	Horizon Quantum Cable: 175m LMR-600 Cable	$ 2,500.00	
A-CAB-HQU-260-LM	Horizon Quantum Cable: 260m LMR-900 Cable	$ 3,500.00	
Warranty and Services			
S-ARP-HQ-GL-1YR	1 Year Horizon Quantum Global Advanced replacement (Next Business Day) - Purchased in First year	$ 500.00	*Per Link*
S-247-HQ-GL-1YR	1 Year Horizon Quantum Global 24X7 Support - Purchased in First year	$ 500.00	*Per Link*
S-WTY-HQ-GL-2YR	2 Year Horizon Quantum Global Warranty - (1Year Extension from Factory Warranty) - Purchased in First year	$ 750.00	*Per Link*
S-WTY-HQ-GL-3YR	3 Year Horizon Quantum Global Warranty (2 Year Extension from STD) - Purchased in First year	$ 1,350.00	*Per Link*
S-ARP-HQ-GL-3YR	3 Year Horizon Quantum Global Advanced replacement (Next Business Day) - Incl. Warranty - Purchased in First year	$ 2,700.00	*Per Link*
S-247-HQ-GL-3YR	3 Year Horizon Quantum Global 24X7 Support - Incl. Warranty - Purchased in First year	$ 2,700.00	*Per Link*
S-DCR-HQ-GL-3YR	3 Year Horizon Quantum Global DragonCare (24X7 Support, Adv. Replacement, Warranty) - Purchased in First year	$ 4,050.00	*Per Link*
S-WTY-HQ-GL-4YR	4 Year Horizon Quantum Global Warranty (3 Year Extension from STD) - Purchased in First year	$ 1,950.00	*Per Link*
S-WTY-HQ-GL-5YR	5 Year Horizon Quantum Global Warranty (4 Year Extension from STD) - Purchased in First year	$ 2,400.00	*Per Link*
S-ARP-HQ-GL-5YR	5 Year Horizon Quantum Global Advanced replacement (Next Business Day) - Includes Warranty - Purchased in First year	$ 4,400.00	*Per Link*
S-247-HQ-GL-5YR	5 Year Horizon Quantum Global 24X7 Support - Incl. Warranty - Purchased in First year	$ 4,400.00	*Per Link*
S-DCR-HQ-GL-5YR	5 Year Horizon Quantum Global DragonCare (24X7 Support, Adv. Replacement, Warranty) - Purchased in First year	$ 6,400.00	*Per Link*
S-WTY-HQ-GL-6YR	6 Year Horizon Quantum Global Warranty (5 Year Extension from STD) - Purchased in First year	$ 2,850.00	*Per Link*
S-WTY-HQ-GL-7YR	7 Year Horizon Quantum Global Warranty (6 Year Extension from STD) - Purchased in First year	$ 3,150.00	*Per Link*
S-WTY-HQ-GL-8YR	8 Year Horizon Quantum Global Warranty (7 Year Extension from STD) - Purchased in First year	$ 3,450.00	*Per Link*
S-RWT-HQ-GL-1YR	1 Year Horizon Quantum Global Warranty Renewal	$ 1,000.00	*Per Link*
S-RAR-HQ-GL-1YR	1 Year Horizon Quantum Global Advanced replacement Renewal (Next Business Day + Sat) - Includes Warranty	$ 1,500.00	*Per Link*
S-R24-HQ-GL-1YR	1 Year Horizon Quantum Global 24X7 Support Renewal - Includes Warranty	$ 1,500.00	*Per Link*
S-RDC-HQ-GL-1YR	1 Year Horizon Quantum Global DragonCare Renewal (24X7 Support, Adv. Replacement, Warranty)	$ 2,000.00	*Per Link*
Accessories			
A-OPT-HWR-HSK-HQ	Horizon Quantum Heat Shield Kit for Radio (One End)	$ 100	
A-OPT-XCMB	IF Combiner for 4 channel XPIC	$ 500	*4-channel XPIC link (2 x dual-carrier) requires 4*
A-OPT-PLG-FIB-SX-HQ	Horizon Quantum Pluggable IDU Fiber Interface, SX (2 Km)	$ 175	
A-OPT-PLG-FIB-LX-HQ	Horizond Quantum Pluggable IDU Fiber Interface, LX (10 Km)	$ 250	
A-OPT-CAB-IDU-2	2m IDU RF Cable	$ 150	
A-OPT-CAB-IDU-6	6m IDU RF Cable	$ 185	
A-OPT-GRD-KIT	Optional Ground Kit	$ 100	
A-OPT-HQU-SRG-R1	Horizon Quantum Surge Protector	$ 250	
A-SPA-FAN-HQ	Spare Horizon Quantum Modem Fan	$ 100	
A-SPA-PWR-HQ-NA	Spare Horizon Quantum AC North America Power Supply	$ 250	
A-SPA-PWR-HQ-EU	Spare Horizon Quantum AC European Power Supply	$ 250	
Bandwidth and Feature Upgrades			
A-UPG-QFT-BWA	Link Upgrade, Quantum Feature, Bandwidth Accelerator	$ 2,500	*Day 2 Upgrade*
A-UPG-QFT-AAM	Link Upgrade, Quantum Feature, Automatic Adaptive Modulation	$ 650	*Day 2 Upgrade*
A-UPG-QFT-XPC	Link Upgrade, Quantum Feature, XPIC	$ 650	*Day 2 Upgrade*
A-UPG-QFT-AET	Link Upgrade, Quantum Feature, Advanced Ethernet	$ 650	*Day 2 Upgrade*
A-UPG-QFT-STP	Link Upgrade, Quantum Feature, MSTP/RSTP (includes Adv. Ethernet)	$ 650	*Day 2 Upgrade*
A-UPG-QFT-BUN	Link Upgrade, Quantum Feature, Bundle (AAM, XPIC , MSTP/RSTP and Advanced Ethernet)	$ 3,000	*Day 2 Upgrade*
A-UPG-QFT-AES	Link Upgrade, Quantum Feature, AES	$ 3,750	*Day 2 Upgrade*
A-UPG-QFT-ADV	Link Upgrade, Quantum Feature, (AES and BWA)	$ 5,000	*Day 2 Upgrade*
A-UPG-BNW-050-100-HQ	Horizon Quantum Upgrade 050 Mbps to 100 Mbps (Per Link)	$ 650	*Day 2 Upgrade*
A-UPG-BNW-100-200-HQ	Horizon Quantum Upgrade 100 Mbps to 200 Mbps (Per Link)	$ 650	*Day 2 Upgrade*
A-UPG-BNW-200-400-HQ	Horizon Quantum Upgrade 200 Mbps to 400 Mbps (Per Link)	$ 1,300	*Day 2 Upgrade*
A-UPG-BNW-200-300-HQ	Horizon Quantum Upgrade 200 Mbps to 300 Mbps (Per Link)	$ 1,300	*Day 2 Upgrade*
A-UPG-BNW-400-600-HQ	Horizon Quantum Upgrade 400 Mbps to 600 Mbps (Per Link)	$ 1,500	*Day 2 Upgrade*
A-UPG-BNW-300-400-HQ	Horizon Quantum Upgrade 300 Mbps to 400 Mbps (Per Link)	$ 1,300	*Day 2 Upgrade*
A-UPG-BNW-600-800-HQ	Horizon Quantum Upgrade 600 Mbps to 800 Mbps (Per Link)	$ 1,500	*Day 2 Upgrade*

AH-UPG-QFT-BWA	End Upgrade, Quantum Feature, Bandwidth Accelerator	$	1,250	*Day 2 Upgrade*
AH-UPG-QFT-AAM	End Upgrade, Quantum Feature, Automatic Adaptive Modulation	$	325	*Day 2 Upgrade*
AH-UPG-QFT-XPC	End Upgrade, Quantum Feature, XPIC	$	325	*Day 2 Upgrade*
AH-UPG-QFT-AET	End Upgrade, Quantum Feature, Advanced Ethernet	$	325	*Day 2 Upgrade*
AH-UPG-QFT-STP	End Upgrade, Quantum Feature, MSTP/RSTP (includes Adv. Ethernet)	$	325	*Day 2 Upgrade*
AH-UPG-QFT-BUN	End Upgrade, Quantum Feature, Bundle (AAM, XPIC , MSTP/RSTP and Advanced Ethernet)	$	1,500	*Day 2 Upgrade*
AH-UPG-QFT-AES	End Upgrade, Quantum Feature, AES	$	1,875	*Day 2 Upgrade*
AH-UPG-QFT-ADV	End Upgrade, Quantum Feature, (AES and BWA)	$	2,500	*Day 2 Upgrade*
AH-UPG-BNW-050-100-HQ	Horizon Quantum Upgrade 050 Mbps to 100 Mbps (Per End)	$	325	*Day 2 Upgrade*
AH-UPG-BNW-100-200-HQ	Horizon Quantum Upgrade 100 Mbps to 200 Mbps (Per End)	$	325	*Day 2 Upgrade*
AH-UPG-BNW-200-400-HQ	Horizon Quantum Upgrade 200 Mbps to 400 Mbps (Per End)	$	650	*Day 2 Upgrade*
AH-UPG-BNW-200-300-HQ	Horizon Quantum Upgrade 200 Mbps to 300 Mbps (Per End)	$	650	*Day 2 Upgrade*
AH-UPG-BNW-400-600-HQ	Horizon Quantum Upgrade 400 Mbps to 600 Mbps (Per End)	$	750	*Day 2 Upgrade*
AH-UPG-BNW-300-400-HQ	Horizon Quantum Upgrade 300 Mbps to 400 Mbps (Per End)	$	650	*Day 2 Upgrade*
AH-UPG-BNW-600-800-HQ	Horizon Quantum Upgrade 600 Mbps to 800 Mbps (Per End)	$	750	*Day 2 Upgrade*
Radio Spares				
RH-XX-XX-XX	Transmit High Radio	$	-	
RL-XX-XX-XX	Transmit Radio Low	$	-	
XX-HP-L6-B1	Lower 6 GHz Band 1	$	3,050	
XX-HP-L6-B2	Lower 6 GHz Band 2	$	3,050	
XX-HP-U6-B1	Upper 6 GHz Band 1	$	3,050	
XX-HP-U6-B2	Upper 6 GHz Band 2	$	3,050	
XX-HP-U6-B3	Upper 6 GHz Band 3	$	3,050	
XX-HP-U6-B4	Upper 6 GHz Band 4	$	3,050	
XX-HP-U6-B5	Upper 6 GHz Band 5	$	3,050	
XX-EP-L7-B1	Lower 7 GHz Band 1	$	3,500	
XX-EP-L7-B2	Lower 7 GHz Band 2	$	3,500	
XX-EP-U7-B1	Upper 7 GHz Band 1	$	3,500	
XX-EP-U7-B2	Upper 7 GHz Band 2	$	3,500	
XX-EP-L8-B1	Lower 8 GHz Band 1	$	3,500	
XX-EP-L8-B2	Lower 8 GHz Band 2	$	3,500	
XX-EP-L8-B3	Lower 8 GHz Band 3	$	3,500	
XX-EP-L8-B4	Lower 8 GHz Band 4	$	3,500	
XX-EP-L8-B5	Lower 8 GHz Band 5	$	3,500	
XX-EP-U8-B1	Upper 8 GHz Band 1	$	3,500	
XX-EP-U8-B2	Upper 8 GHz Band 2	$	3,500	
XX-EP-H7-B1	7/8 Ghz Band 1	$	3,500	
XX-EP-H7-B2	7/8 Ghz Band 2	$	3,500	
XX-EP-H7-B3	7/8 Ghz Band 3	$	3,500	
XX-EP-H7-B4	7/8 Ghz Band 4	$	3,500	
XX-EP-H7-B5	7/8 Ghz Band 5	$	3,500	
XX-EP-H7-B6	7/8 Ghz Band 6	$	3,500	
XX-EP-H7-B7	7/8 Ghz Band 7	$	3,500	
XX-EP-H7-B8	7/8 Ghz Band 8	$	3,500	
XX-EP-H7-B9	7/8 Ghz Band 9	$	3,500	
XX-EP-H7-10	7/8 Ghz Band 10	$	3,500	
XX-HP-11-B1	11 GHz Band 1	$	3,050	
XX-HP-11-B2	11 GHz Band 2	$	3,050	
XX-HP-11-B3	11 GHz Band 3	$	3,050	
XX-HP-13-B1	13 GHz Band 1	$	3,050	
XX-HP-13-B2	13 GHz Band 2	$	3,050	
XX-HP-13-B3	13 GHz Band 3	$	3,050	
XX-HP-13-B4	13 GHz Band 4	$	3,050	
XX-HP-15-B1	15 GHz Band 1	$	3,050	
XX-HP-15-B2	15 GHz Band 2	$	3,050	
XX-HP-15-B3	15 GHz Band 3	$	3,050	
XX-HP-15-B4	15 GHz Band 4	$	3,050	
XX-HP-18-B1	18 GHz Band 1	$	3,050	
XX-HP-18-B2	18 GHz Band 2	$	3,050	

XX-HP-18-B3	18 GHz Band 3	$	3,050	
XX-HP-18-B4	18GHz Band 4	$	3,050	
XX-HP-18-B5	18GHz Band 5	$	3,050	
XX-HP-23-B1	23 GHz Band 1	$	3,050	
XX-HP-23-B2	23 GHz Band 2	$	3,050	
XX-HP-23-B3	23 GHz Band 3	$	3,050	
XX-HP-24-B1	24 GHz DEMs Band 1	$	3,050	
XX-HP-26-B1	26 GHz Band 1	$	3,050	
XX-HP-26-B2	26 GHz Band 2	$	3,050	
XX-HP-28-B1	28 GHz Band 1	$	3,050	
XX-HP-28-B2	28 GHz Band 2	$	3,050	
XX-HP-28-B3	28 GHz Band 3	$	3,050	
XX-HP-28-B4	28 GHz Band 4	$	3,050	
XX-HP-38-B1	38 GHz Band 1	$	3,050	
XX-HP-38-B2	38 GHz Band 2	$	3,050	
XX-HP-38-B3	38 GHz Band 3	$	3,050	
XX-HP-38-B4	38 GHz Band 4	$	3,050	
XX-HP-38-B5	38 GHz Band 5	$	3,050	
Modem Spares				
QM-S-050-N00	Single Channel, Single Radio;48V DC	$	2,200	*Per End*
QM-D-050-N00	Dual Channel, Single Radio;48V DC	$	2,700	*Per End*
QM-M-050-N00	Dual Channel, Dual Radio (Requires Extra Radios to be ordered);48V DC	$	2,700	*Per End*
QM-A-050-N00	Single Channel, Single Radio;48V DC; extended temperature	$	2,300	*Per End*
QM-B-050-N00	Dual Channel, Single Radio;48V DC; extended temperature	$	2,800	*Per End*
QM-C-050-N00	Dual Channel, Dual Radio (Requires Extra Radios to be ordered);48V DC; extended temperature	$	2,800	*Per End*

Horizon Auxiliaries + Antennas

Part Number	Description	List (USD)	Notes
Training			
S-TRN-AT-CS-2D	Advanced Troubleshooting Course (Customer Site) (2 days)	$ 7,500.00	Multi
S-TRN-IC-CS-2D	DragonWave Installer Certification Course. (Customer Site-Incl., Travel). (2 days)	$ 7,500.00	Multi
S-TRN-NO-CS-2D	Network Operator's Course (Customer Site-Includes Travel) (2 days)	$ 7,500.00	Multi
S-TRN-PL-CS-1D	Network Planning Course (Customer Site) (1 day)	$ 6,000.00	Multi
S-TRN-IC-DW-2D	Per Student - DragonWave Installer Certification Course. (At DragonWave office). (2 days)	$ 1,000.00	Multi
S-TRN-AT-DW-2D	Per Student - Advanced Troubleshooting Course (DragonWave Office) (2 days)	$ 1,000.00	Multi
S-TRN-NO-DW-2D	Per Student - Network Operator's Course (DragonWave Office) (2 days)	$ 1,000.00	Multi
S-TRN-PL-DW-1D	Per Student - Network Planning Course (DragonWave Office) (1 day)	$ 750.00	Multi
Options and Accessories			
A-OPT-HWR-ALMK-L6	Antennaless mounting kit, Lower 6 GHz (One End)	$ 250	Multi
A-OPT-HWR-ALMK-U6	Antennaless mounting kit, Upper 6 GHz (One End)	$ 250	Multi
A-OPT-HWR-ALMK-07	Antennaless mounting kit, 7 GHz (One End)	$ 250	Multi
A-OPT-HWR-ALMK-08	Antennaless mounting kit, 8 GHz (One End)	$ 250	Multi
A-OPT-HWR-ALMK-11	Antennaless mounting kit, 11 GHz (One End)	$ 250	Multi
A-OPT-HWR-ALMK-13	Antennaless mounting kit, 13 GHz (One End)	$ 250	Multi
A-OPT-HWR-ALMK-15	Antennaless mounting kit, 15 GHz (One End)	$ 250	Multi
A-OPT-HWR-ALMK-18	Antennaless mounting kit, 18 GHz (One End)	$ 250	Multi
A-OPT-HWR-ALMK-23	Antennaless mounting kit, 23 GHz (One End)	$ 250	Multi
A-OPT-HWR-DPRM-L6	Lower 6 GHz Dual Pole Rigid Mount (DPRM)	$ 1,000	Multi
A-OPT-HWR-DPRM-U6	Upper 6 GHz Dual Pole Rigid Mount (DPRM)	$ 1,000	Multi
A-OPT-HWR-DPRM-07	7 GHz Dual Pole Rigid Mount (DPRM)	$ 1,000	Multi
A-OPT-HWR-DPRM-08	8 GHz Dual Pole Rigid Mount (DPRM)	$ 1,000	Multi
A-OPT-HWR-DPRM-11	11 GHz Dual Pole Rigid Mount (DPRM)	$ 1,000	Multi
A-OPT-HWR-DPRM-13	13 GHz Dual Pole Rigid Mount (DPRM)	$ 1,000	Multi
A-OPT-HWR-DPRM-15	15 GHz Dual Pole Rigid Mount (DPRM)	$ 1,000	Multi
A-OPT-HWR-DPRM-18	18 GHz Dual Pole Rigid Mount (DPRM)	$ 1,000	Multi
A-OPT-HWR-DPRM-23	23 GHz Dual Pole Rigid Mount (DPRM)	$ 1,000	Multi
A-OPT-HWR-DPRM-24	24 GHz DEMs Dual Pole Rigid Mount (DPRM)	$ 1,000	Multi
A-OPT-HWR-DPRM-26	26 GHz Dual Pole Rigid Mount (DPRM)	$ 1,000	Multi
A-OPT-HWR-DPRM-28	28 GHz Dual Pole Rigid Mount (DPRM)	$ 1,000	Multi
A-OPT-HWR-DPRM-38	38 GHz Dual Pole Rigid Mount (DPRM)	$ 1,000	Multi
A-OPT-HWR-PSRM-06	6 GHz Power Split Radio Mount (PSRM)	$ 1,000	Multi
A-OPT-HWR-PSRM-07	7 GHz Power Split Radio Mount (PSRM)	$ 1,000	Multi

A-OPT-HWR-PSRM-08	8 GHz Power Split Radio Mount (PSRM)	$	1,000	Multi
A-OPT-HWR-PSRM-11	11 GHz Power Split Radio Mount (PSRM)	$	1,000	Multi
A-OPT-HWR-PSRM-13	13 GHz Power Split Radio Mount (PSRM)	$	1,000	Multi
A-OPT-HWR-PSRM-15	15 GHz Power Split Radio Mount (PSRM)	$	1,000	Multi
A-OPT-HWR-PSRM-18	18 GHz Power Split Radio Mount (PSRM)	$	1,000	Multi
A-OPT-HWR-PSRM-23	23 GHz Power Split Radio Mount (PSRM)	$	1,000	Multi
A-OPT-HWR-PSRM-24	24 GHz DEMs Power Split Radio Mount (PSRM)	$	1,000	Multi
A-OPT-HWR-PSRM-26	26 GHz Power Split Radio Mount (PSRM)	$	1,000	Multi
A-OPT-HWR-PSRM-28	28 GHz Power Split Radio Mount (PSRM)	$	1,000	Multi
A-OPT-HWR-PSRM-38	38 GHz Power Split Radio Mount (PSRM)	$	1,000	Multi
A-OPT-HWR-PARM-L6	Lower 6 GHz Polarity Adjustable Radio Mount (PARM)	$	1,000	Multi
A-OPT-HWR-PARM-U6	Upper 6 GHz Polarity Adjustable Radio Mount (PARM)	$	1,000	Multi
A-OPT-HWR-PARM-07	7 GHz Polarity Adjustable Radio Mount (PARM)	$	1,000	Multi
A-OPT-HWR-PARM-08	8 GHz Polarity Adjustable Radio Mount (PARM)	$	1,000	Multi
A-OPT-HWR-PARM-11	11 GHz Polarity Adjustable Radio Mount (PARM)	$	1,000	Multi
A-OPT-HWR-PARM-13	13 GHz Polarity Adjustable Radio Mount (PARM)	$	1,000	Multi
A-OPT-HWR-PARM-15	15 GHz Polarity Adjustable Radio Mount (PARM)	$	1,000	Multi
A-OPT-HWR-PARM-18	18 GHz Polarity Adjustable Radio Mount (PARM)	$	1,000	Multi
A-OPT-HWR-PARM-23	23 GHz Polarity Adjustable Radio Mount (PARM)	$	1,000	Multi
A-OPT-HWR-PARM-24	24 GHz DEMs Polarity Adjustable Radio Mount (PARM)	$	1,000	Multi
A-OPT-HWR-PARM-26	26 GHz Polarity Adjustable Radio Mount (PARM)	$	1,000	Multi
A-OPT-HWR-PARM-28	28 GHz Polarity Adjustable Radio Mount (PARM)	$	1,000	Multi
A-OPT-HWR-PARM-38	38 GHz Polarity Adjustable Radio Mount (PARM)	$	1,000	Multi
A-OPT-HWR-RMTW-07	Rack-mount test setup with waveguide, 7 GHz	$	5,000	Multi
A-OPT-HWR-RMTW-08	Rack-mount test setup with waveguide, 8 GHz	$	5,000	Multi
A-OPT-HWR-RMTW-11	Rack-mount test setup with waveguide, 11 GHz	$	5,000	Multi
A-OPT-HWR-RMTW-13	Rack-mount test setup with waveguide, 13 GHz	$	5,000	Multi
A-OPT-HWR-RMTW-15	Rack-mount test setup with waveguide, 15 GHz	$	5,000	Multi
A-OPT-HWR-RMTW-18	Rack-mount test setup with waveguide, 18 GHz	$	5,000	Multi
A-OPT-HWR-RMTW-23	Rack-mount test setup with waveguide, 23 GHz	$	5,000	Multi
A-OPT-HWR-RMTW-24	Rack-mount test setup with waveguide, 24 GHz DEMs	$	5,000	Multi
A-OPT-HWR-RMTW-26	Rack-mount test setup with waveguide, 26 GHz	$	5,000	Multi
A-OPT-HWR-RMTW-28	Rack-mount test setup with waveguide, 28 GHz	$	5,000	Multi
A-OPT-HWR-RMTW-38	Rack-mount test setup with waveguide, 38 GHz	$	5,000	Multi
A-OPT-HWR-RMTW-L6	Rack-mount test setup with waveguide, Lower 6 GHz	$	5,000	Multi
A-OPT-HWR-RMTW-U6	Rack-mount test setup with waveguide, Upper 6 GHz	$	5,000	Multi
A-OPT-HWR-RMTW-VA-60	Rack-mount test setup with waveguide and variable attenuator, 60 GHz	$	5,500	Multi
A-OPT-HWR-FXPD-10	SMA 10dB ATTENUATOR FOR HIGH POWER TEST SETUP	$	1,000	Multi
A-OPT-WVG-VB-WR42	WAVEGUIDE ATTENUATOR KIT, VARIABLE, 0-60dB, WR42	$	5,000	Multi
A-OPT-WVG-VB-WR75	WAVEGUIDE ATTENUATOR KIT, VARIABLE, 0-60dB, WR75	$	5,000	Multi

A-OPT-HWR-WART-L6	WAVEGUIDE ADAPTER KIT W/O-RINGS FOR TEST SETUP, Lower 6 GHz	$	400	Multi
A-OPT-HWR-WART-U6	WAVEGUIDE ADAPTER KIT W/O-RINGS FOR TEST SETUP, Upper 6 GHz	$	400	Multi
A-OPT-HWR-WART-07	WAVEGUIDE ADAPTER KIT W/O-RINGS FOR TEST SETUP, 7 GHz	$	400	Multi
A-OPT-HWR-WART-08	WAVEGUIDE ADAPTER KIT W/O-RINGS FOR TEST SETUP, 8 GHz	$	400	Multi
A-OPT-HWR-WART-10	WAVEGUIDE ADAPTER KIT W/O-RINGS FOR TEST SETUP, 10 GHz	$	400	Multi
A-OPT-HWR-WART-11	WAVEGUIDE ADAPTER KIT W/O-RINGS FOR TEST SETUP, 11 GHz	$	400	Multi
A-OPT-HWR-WART-13	WAVEGUIDE ADAPTER KIT W/O-RINGS FOR TEST SETUP, 13 GHz	$	400	Multi
A-OPT-HWR-WART-15	WAVEGUIDE ADAPTER KIT W/O-RINGS FOR TEST SETUP, 15 GHz	$	400	Multi
A-OPT-HWR-WART-18	WAVEGUIDE ADAPTER KIT W/O-RINGS FOR TEST SETUP, 18 GHz	$	400	Multi
A-OPT-HWR-WART-23	WAVEGUIDE ADAPTER KIT W/O-RINGS FOR TEST SETUP, 23 GHz	$	400	Multi
A-OPT-HWR-WART-24	WAVEGUIDE ADAPTER KIT W/O-RINGS FOR TEST SETUP, 24 GHz	$	400	Multi
A-OPT-HWR-WART-26	WAVEGUIDE ADAPTER KIT W/O-RINGS FOR TEST SETUP, 26 GHz	$	400	Multi
A-OPT-HWR-WART-28	WAVEGUIDE ADAPTER KIT W/O-RINGS FOR TEST SETUP, 28 GHz	$	400	Multi
A-OPT-HWR-WART-38	WAVEGUIDE ADAPTER KIT W/O-RINGS FOR TEST SETUP, 38 GHz	$	400	Multi
A-OPT-HWR-RRMP-L6	Radio Rack Mount Plate; Lower 6 GHz (RRMP)	$	600	Multi
A-OPT-HWR-RRMP-U6	Radio Rack Mount Plate; Upper 6 GHz (RRMP)	$	600	Multi
A-OPT-HWR-RRMP-07	Radio Rack Mount Plate; 7 GHz (RRMP)	$	600	Multi
A-OPT-HWR-RRMP-08	Radio Rack Mount Plate; 8 GHz (RRMP)	$	600	Multi
A-OPT-HWR-RRMP-11	Radio Rack Mount Plate; 11 GHz (RRMP)	$	600	Multi
A-OPT-HWR-RRMP-13	Radio Rack Mount Plate; 13 GHz (RRMP)	$	600	Multi
A-OPT-HWR-RRMP-15	Radio Rack Mount Plate; 15 GHz (RRMP)	$	600	Multi
A-OPT-HWR-RRMP-18	Radio Rack Mount Plate; 18 GHz (RRMP)	$	600	Multi
A-OPT-HWR-RRMP-23	Radio Rack Mount Plate; 23 GHz (RRMP)	$	600	Multi
A-OPT-HWR-RRMP-24	Radio Rack Mount Plate; 24 GHz DEMs (RRMP)	$	600	Multi
A-OPT-HWR-RRMP-26	Radio Rack Mount Plate; 26 GHz (RRMP)	$	600	Multi
A-OPT-HWR-RRMP-28	Radio Rack Mount Plate; 28 GHz (RRMP)	$	600	Multi
A-OPT-HWR-RRMP-38	Radio Rack Mount Plate; 38 GHz (RRMP)	$	600	Multi
A-OPT-ANT-STBR-48-AN	Antenna Stabilizer Bar for 48" and 72" Commscope antennas (Per End)	$	500	Multi
A-OPT-ANT-STBR-96-AN	Antenna Stabilizer Bar for 96", 120" or 144" Commscope antennas (Per End)	$	750	Multi
A-OPT-ANT-STBR-36	Antenna Stabilizer Bar for 36" RadioWaves antennas (Per End)	$	450	Multi
S-RCR-WTY	Re-Certification Cost – Outside Of Warranty - (Requires submission of diagnostics report)	$	1,250.00	Multi
S-SPT-HR	Hourly Support Cost outside of Program - Non-Discountable, minimum 3 hour call	$	250.00	Multi
S-RPR-HR	Repairs outside of warranty are done on a best effort basis at a non-discountable hourly rate + parts	$	250.00	Multi
A-OPT-LCO-FCC	FCC Licensing Co-Ordination (Does not include FCC Fees)	$	600.00	Multi
A-OPT-LCO-FCC-39G	Spectrum license coordination for 39GHz	$	750.00	Multi
A-CAB-C5E-0500	Roll of Cat5E Cable, 500 Meters	$	1,500	HC+
A-CAB-C5E-1500	Roll of Cat5E Cable, 1500 Meters	$	3,500	HC+
A-OPT-CSLP-ZFP	Optional Client Side Lightning Protection for ZFP (longer client cable runs)	$	600	HC+
A-OPT-EXFA-ZFP	Optional Exhaust Fan assmbly	$	500	Quantum
A-OPT-HBLT-ZFP	Optional Heat Blanket for ZFP	$	100	?

A-OPT-HWR-ADPT-RJTS	RJ45 to Serial Adpater	$ 25	?
A-OPT-ALN-GD	Optical Alignment Guide	$ 100	Multi
A-OPT-HWR-FTB-2-A	Andrews 2' Antenna Stabilizer	$ 300	Multi
A-OPT-WG-L6-1M	Flex Waveguide, Lower 6 GHz, 1M	$ 750	Multi
A-OPT-WG-L6-2M	Flex Waveguide, Lower 6 GHz, 2M	$ 1,500	Multi
A-OPT-WG-U6-1M	Flex Waveguide, Upper 6 GHz, 1M	$ 750	Multi
A-OPT-WG-U6-2M	Flex Waveguide, Upper 6 GHz, 2M	$ 1,500	Multi
A-OPT-HWR-SSRM-11	11 GHz, 3dB symmetrical coupler	$ 1,200.00	Multi
A-OPT-HWR-SSRM-18	18 GHz, 3dB symmetrical coupler	$ 1,200.00	Multi
A-OPT-CP-CON-CPR	RJ45 Rugged Connector Protective Caps, Amphenol	$ 100.00	HC+
A-OPT-ORNG	Silicone O-Ring	$ 2.50	Multi
A-OPT-MNT-AND-24	Antenna Mount For Andrew 12" & 24"	$ 320.00	Multi
A-OPT-MNT-AND-48	Antenna Mount For Andrew 36" & 48"	$ 350.00	Multi
A-CAB-ODU-60-R4	CABLE, CAT5E/PWR+,OUTDOOR,60M	$ 780.00	HC+
A-CAB-ODU-90-R4	CABLE, CAT5E/PWR+,OUTDOOR,90M	$ 1,350.00	HC+
A-OPT-TEST-ADPT-11	Test Adapter 11 GHz	$ 150.00	
A-OPT-TEST-ADPT-13	Test Adapter 13 GHz	$ 150.00	
A-OPT-TEST-ADPT-15	Test Adapter 15 GHz	$ 150.00	
A-OPT-TEST-ADPT-18	Test Adapter 18 GHz	$ 150.00	
A-OPT-TEST-ADPT-23	Test Adapter 23 GHz	$ 150.00	
A-OPT-TEST-ADPT-24	Test Adapter 24 GHz (Coupler Only)	$ 150.00	
A-OPT-TEST-ADPT-26	Test Adapter 26 GHz (Coupler Only)	$ 150.00	
A-OPT-TEST-ADPT-28	Test Adapter 28 GHz	$ 150.00	
A-OPT-HQU-002-PW	Quantum IP66 Modem Power Cable, 2m	$ 90.00	Quantum
A-OPT-HQU-006-PW	Quantum IP66 Modem Power Cable, 6m	$ 110.00	Quantum
A-OPT-HQU-010-PW	Quantum IP66 Modem Power Cable, 10m	$ 130.00	Quantum
A-OPT-HQU-030-PW	Quantum IP66 Modem Power Cable, 30m	$ 200.00	Quantum
A-OPT-HQU-060-PW	Quantum IP66 Modem Power Cable, 60m	$ 300.00	Quantum
A-OPT-HQU-100-PW	Quantum IP66 Modem Power Cable, 100m	$ 500.00	Quantum
A-OPT-HWR-FD-DP-AN-96	Dual Pole Antenna Feed for Commscope WR137	$ 5,250.00	
A-OPT-QTM-PWR-PLG	Quantum Terminal Block 4-Position Power Plug (Qty of 10)	$ 40.00	Quantum
A-OPT-WG-PBR-UBR-11G-1M	FLEXIBLE WAVEGUIDE, 11 GHZ, PBR100/UBR100, 1M	$ 1,000.00	Multi
A-OPT-CAB-IDU-5	CABLE, RF, IDU, 5m	$ 100.00	Quantum

Shipping Costs

S-SHP-24-7-NA	1 Week Shipping of 1 System in N.A. with 24” antennas	$ 500	Multi
S-SHP-48-7-NA	1 Week Shipping of 1 System in N.A. with 48” antennas	$ 1,800	Multi
S-SHP-24-3-NA	3 Days Shipping of 1 System in N.A. with 24” antennas	$ 1,000	Multi
S-SHP-48-3-NA	3 Days Shipping of 1 System in N.A. with 48” antennas	$ 2,800	Multi
S-SHP-24-1-NA	Overnight Shipping of 1 System in N.A. with 24” antennas	$ 1,400	Multi

S-SHP-48-1-NA	Overnight Shipping of 1 System in N.A. with 48” antennas	$	4,200	Multi
Standard Antennas				
A-ANT-E6G-36-C	3' / 90cm, 6 GHz Antenna, Clip-Mount	$	1,500	Multi
A-ANT-E6G-48-C	4' / 120cm, 6 GHz Antenna, Clip-Mount	$	2,250	Multi
A-ANT-E6G-72-C	6' / 180cm, 6 GHz Antenna, Clip-Mount	$	4,000	Multi
A-ANT-L6G-96-W	8' / 240m, 6 GHz Antenna; includes 1m FLEX waveguide	$	10,500	Multi
A-ANT-L6G-120-W	10' / 300cm, 6 GHz Antenna, includes 1m FLEX waveguide	$	13,000	Multi
A-ANT-E7G-24-C	2' / 60cm, 7/8 GHz Antenna; Clip-Mount	$	850	Multi
A-ANT-E7G-36-C	3' / 90cm, 7/8 GHz Antenna; Clip-Mount	$	1,500	Multi
A-ANT-E7G-48-C	4' / 120cm, 7/8 GHz Antenna; Clip-Mount	$	2,250	Multi
A-ANT-E7G-72-C	6' / 180cm, 7/8 GHz Antenna; Clip-Mount	$	4,000	Multi
A-ANT-08G-96-W	8' / 240cm, 7/8 GHz Antenna; includes 1m FLEX waveguide	$	10,500	Multi
A-ANT-11G-24-C	2' / 60cm, 11 GHz Antenna, Clip-Mount	$	850	Multi
A-ANT-11G-30-C	2.5' / 80cm, 11 GHz Antenna, Clip-Mount	$	1,500	Multi
A-ANT-11G-36-C	3' / 90cm, 11 GHz Antenna, Clip-Mount	$	1,500	Multi
A-ANT-11G-48-C	4' / 120cm, 11 GHz Antenna, Clip-Mount	$	2,250	Multi
A-ANT-11G-72-C	6' / 180cm, 11 GHz Antenna, Clip-Mount	$	4,000	Multi
A-ANT-13G-12-C	1' / 30cm, 13 GHz Antenna, Clip-Mount	$	500	Multi
A-ANT-13G-24-C	2' / 60cm, 13 GHz Antenna, Clip-Mount	$	850	Multi
A-ANT-13G-36-C	3' / 90cm, 13 GHz Antenna, Clip-Mount	$	1,500	Multi
A-ANT-13G-48-C	4' / 120cm, 13 GHz Antenna, Clip-Mount	$	2,250	Multi
A-ANT-13G-72-C	6' / 180cm, 13 GHz Antenna, Clip-Mount	$	4,000	Multi
A-ANT-15G-12-C	1' / 30cm, 15 GHz Antenna, Clip-Mount	$	500	Multi
A-ANT-15G-24-C	2' / 60cm, 15 GHz Antenna, Clip-Mount	$	850	Multi
A-ANT-15G-36-C	3' / 90cm, 15 GHz Antenna, Clip-Mount	$	1,500	Multi
A-ANT-15G-48-C	4' / 120cm, 15 GHz Antenna, Clip-Mount	$	2,250	Multi
A-ANT-15G-72-C	6' / 180cm, 15 GHz Antenna, Clip-Mount	$	4,000	Multi
A-ANT-18G-12-C	1' / 30cm, 18 GHz Antenna, Clip-Mount	$	500	Multi
A-ANT-18G-24-C	2' / 60cm, 18 GHz Antenna, Clip-Mount	$	850	Multi
A-ANT-18G-36-C	3' / 90cm, 18 GHz Antenna, Clip-Mount	$	1,500	Multi
A-ANT-18G-48-C	4' / 120cm, 18 GHz Antenna, Clip-Mount	$	2,250	Multi
A-ANT-18G-72-C	6' / 180cm, 18 GHz Antenna, Clip-Mount	$	4,000	Multi
A-ANT-23G-12-C	1' / 30cm, 23 GHz Antenna, Clip-Mount	$	500	Multi
A-ANT-23G-24-C	2' / 60cm, 23 GHz Antenna, Clip-Mount	$	850	Multi
A-ANT-23G-36-C	3' / 60cm, 23 GHz Antenna, Clip-Mount	$	1,500	Multi
A-ANT-23G-48-C	4' / 120cm, 23 GHz Antenna, Clip-Mount	$	2,250	Multi
A-ANT-23G-72-C	6' / 180cm, 23 GHz Antenna, Clip-Mount	$	4,000	Multi
A-ANT-24G-12-C	1' / 30cm, 24 GHz Antenna, Clip-Mount	$	500	Multi
A-ANT-24G-24-C	2' / 60cm, 24 GHz Antenna, Clip-Mount	$	850	Multi

A-ANT-24G-48-C	4' / 120cm, 24 GHz Antenna, Clip-Mount	$	2,250	Multi
A-ANT-26G-12-C	1' / 30cm, 26 GHz Antenna, Clip-Mount	$	500	Multi
A-ANT-26G-24-C	2' / 60cm, 26 GHz Antenna, Clip-Mount	$	850	Multi
A-ANT-26G-36-C	3' / 60cm, 26 GHz Antenna, Clip-Mount	$	1,500	Multi
A-ANT-26G-48-C	4' / 120cm, 26 GHz Antenna, Clip-Mount	$	2,250	Multi
A-ANT-28G-12-C	1' / 30cm, 28 GHz Antenna, Clip-Mount	$	500	Multi
A-ANT-28G-24-C	2' / 60cm, 28 GHz Antenna, Clip-Mount	$	850	Multi
A-ANT-32G-12-C	1' / 30cm, 32 GHz Antenna, Clip-Mount	$	500	Multi
A-ANT-32G-24-C	2' / 60cm, 32 GHz Antenna, Clip-Mount	$	850	Multi
A-ANT-38G-12-C	1' / 30cm, 38 GHz Antenna, Clip-Mount	$	500	Multi
A-ANT-38G-24-C	2' / 60cm, 38 GHz Antenna, Clip-Mount	$	850	Multi
A-ANT-11G-30-CE	ETSI 2.5', 11 GHz Antenna	$	2,000	Multi
A-ANT-11G-48-UH	4' UHP 11 GHz Antenna; Dual Polarization; Includes 1 x 1m Waveguide PBR100	$	7,500	Multi
A-ANT-11G-72-UH	6' UHP 11 GHz Antenna; Dual Polarization; Includes 1 x 1m Waveguide CPR90G	$	14,000	Multi
A-ANT-L6G-96-D	Antenna, Lower 6 GHz;8' Antenna;Dual Polarization; Includes 1 x 1m Waveguide CPR137G	$	16,000	Multi
A-ANT-U6G-96-D	Antenna, Upper 6 GHz;8' Antenna;Dual Polarization; Includes 1 x 1m WaveGuide CPR137G	$	16,000	Multi
A-ANT-11G-96-D	Antenna, 11 GHz;8' Antenna;Dual Polarization; Includes 1 x 1m WaveGuide CPR90G	$	16,000	Multi
A-ANT-60G-12-C-R	1' / 30cm, 60 GHz Antenna, Clip-Mount	$	1,000	Multi
A-ANT-60G-24-C-R	2' / 60cm, 60 GHz Antenna, Clip-Mount	$	1,150	Multi

Putian Antennas

A-ANT-06G-36-C-PT	3' / 90cm, 6 GHz Antenna, Clip-Mount, Putian		$1,100	Multi
A-ANT-06G-48-C-PT	4' / 120cm, 6 GHz Antenna, Clip-Mount, Putian		$1,500	Multi
A-ANT-06G-72-C-PT	6' / 180cm, 6 GHz Antenna, Clip-Mount, Putian		$3,500	Multi
A-ANT-E7G-24-C-PT	2' / 60cm, 7 GHz Antenna; Clip-Mount, Putian		$600	Multi
A-ANT-E7G-36-C-PT	3' / 90cm, 7 GHz Antenna; Clip-Mount, Putian		$1,100	Multi
A-ANT-E7G-48-C-PT	4' / 120cm, 7 GHz Antenna; Clip-Mount, Putian		$1,500	Multi
A-ANT-E7G-72-C-PT	6' / 180cm, 7 GHz Antenna; Clip-Mount, Putian		$3,500	Multi
A-ANT-11G-12-C-PT	1' / 30cm, 11 GHz Antenna, Clip-Mount, Putian		$300	Multi
A-ANT-11G-24-C-PT	2' / 60cm, 11 GHz Antenna, Clip-Mount, Putian		$600	Multi
A-ANT-11G-36-C-PT	3' / 90cm, 11 GHz Antenna, Clip-Mount, Putian		$1,100	Multi
A-ANT-11G-48-C-PT	4' / 120cm, 11 GHz Antenna, Clip-Mount, Putian		$1,500	Multi
A-ANT-11G-72-C-PT	6' / 180cm, 11 GHz Antenna, Clip-Mount, Putian		$3,500	Multi
A-ANT-13G-12-C-PT	1' / 30cm, 13 GHz Antenna, Clip-Mount, Putian		$300	Multi
A-ANT-13G-24-C-PT	2' / 60cm, 13 GHz Antenna, Clip-Mount, Putian		$600	Multi
A-ANT-13G-36-C-PT	3' / 90cm, 13 GHz Antenna, Clip-Mount, Putian		$1,100	Multi
A-ANT-13G-48-C-PT	4' / 120cm, 13 GHz Antenna, Clip-Mount, Putian		$1,500	Multi
A-ANT-13G-72-C-PT	6' / 180cm, 13 GHz Antenna, Clip-Mount, Putian		$3,500	Multi
A-ANT-15G-12-C-PT	1' / 30cm, 15 GHz Antenna, Clip-Mount, Putian		$300	Multi
A-ANT-15G-24-C-PT	2' / 60cm, 15 GHz Antenna, Clip-Mount, Putian		$600	Multi

A-ANT-15G-36-C-PT	3' / 90cm, 15 GHz Antenna, Clip-Mount, Putian	$1,100	Multi
A-ANT-15G-48-C-PT	4' / 120cm, 15 GHz Antenna, Clip-Mount, Putian	$1,500	Multi
A-ANT-15G-72-C-PT	6' / 180cm, 15 GHz Antenna, Clip-Mount, Putian	$3,500	Multi
A-ANT-18G-24-C-PT	2' / 60cm, 18 GHz Antenna, Clip-Mount, Putian	$600	Multi
A-ANT-18G-36-C-PT	3' / 90cm, 18 GHz Antenna, Clip-Mount, Putian	$1,100	Multi
A-ANT-18G-48-C-PT	4' / 120cm, 18 GHz Antenna, Clip-Mount, Putian	$1,500	Multi
A-ANT-18G-72-C-PT	6' / 180cm, 18 GHz Antenna, Clip-Mount, Putian	$3,500	Multi
A-ANT-23G-12-C-PT	1' / 30cm, 23 GHz Antenna, Clip-Mount, Putian	$300	Multi
A-ANT-23G-24-C-PT	2' / 60cm, 23 GHz Antenna, Clip-Mount, Putian	$600	Multi
A-ANT-23G-36-C-PT	3' / 60cm, 23 GHz Antenna, Clip-Mount, Putian	$1,100	Multi
A-ANT-23G-48-C-PT	4' / 120cm, 23 GHz Antenna, Clip-Mount, Putian	$1,500	Multi
A-ANT-26G-12-C-PT	1' / 30cm, 26 GHz Antenna, Clip-Mount, Putian	$300	Multi
A-ANT-26G-24-C-PT	2' / 60cm, 26 GHz Antenna, Clip-Mount, Putian	$600	Multi
A-ANT-26G-36-C-PT	3' / 60cm, 26 GHz Antenna, Clip-Mount, Putian	$1,100	Multi
A-ANT-26G-48-C-PT	4' / 120cm, 26 GHz Antenna, Clip-Mount, Putian	$1,500	Multi
A-ANT-28G-12-C-PT	1' / 30cm, 28 GHz Antenna, Clip-Mount, Putian	$300	Multi
A-ANT-28G-24-C-PT	2' / 60cm, 28 GHz Antenna, Clip-Mount, Putian	$600	Multi
A-ANT-28G-36-C-PT	3' / 60cm, 28 GHz Antenna, Clip-Mount, Putian	$1,100	Multi
A-ANT-32G-12-C-PT	1' / 30cm, 32 GHz Antenna, Clip-Mount, Putian	$300	Multi
A-ANT-32G-24-C-PT	2' / 60cm, 32 GHz Antenna, Clip-Mount, Putian	$600	Multi
A-ANT-38G-12-C-PT	1' / 30cm, 38 GHz Antenna, Clip-Mount, Putian	$300	Multi
A-ANT-38G-24-C-PT	2' / 60cm, 38 GHz Antenna, Clip-Mount, Putian	$600	Multi

Harmony Radio

Part Number	Description	List (USD)	Notes
	Harmony Radio 3.5 GHz		
DW5703B1.01	Harmony Radio 3.5 A Lo 100	$3,850.00	A Lo stands for: Tx (3410 - 3424), Rx (3510 - 3524)
DW5703B1.02	Harmony Radio 3.5 B Lo 100	$3,850.00	B Lo stands for: Tx (3424 - 3438), Rx (3524 - 3538)
DW5703B1.03	Harmony Radio 3.5 C Lo 100	$3,850.00	C Lo stands for: Tx (3438 - 3452), Rx (3538 - 3552)
DW5703B1.04	Harmony Radio 3.5 D Lo 100	$3,850.00	D Lo stands for: Tx (3452 - 3466), Rx (3552 - 3566)
DW5703B1.05	Harmony Radio 3.5 E Lo 100	$3,850.00	E Lo stands for: Tx (3466 - 3480), Rx (3566 - 3580)
DW5703B1.07	Harmony Radio 3.5 G Lo 100	$3,850.00	G Lo stands for: Tx (3480 - 3495), Rx (3580 - 3595)
DW5703B1.51	Harmony Radio 3.5 A Hi 100	$3,850.00	A Hi stands for: Tx (3510 - 3524), Rx (3410 - 3424)
DW5703B1.52	Harmony Radio 3.5 B Hi 100	$3,850.00	B Hi stands for: Tx (3524 - 3538), Rx (3424 - 3438)
DW5703B1.53	Harmony Radio 3.5 C Hi 100	$3,850.00	C Hi stands for: Tx (3538 - 3552), Rx (3438 - 3452)
DW5703B1.54	Harmony Radio 3.5 D Hi 100	$3,850.00	D Hi stands for: Tx (3552 - 3566), Rx (3452 - 3466)
DW5703B1.55	Harmony Radio 3.5 E Hi 100	$3,850.00	E Hi stands for: Tx (3566 - 3580), Rx (3466 - 3480)
DW5703B1.57	Harmony Radio 3.5 G Hi 100	$3,850.00	G Hi stands for: Tx (3580 - 3595), Rx (3480 - 3495)
	Harmony Radio 6GHz L		
DW576LB0.01	Harmony Radio 6L A Lo 252.04	$3,850.00	A Lo stands for: Tx(5930.375-6028.375) Rx(6182.415-6280.415)mechanic compatible with SRAL XD antennas
DW576LB0.02	Harmony Radio 6L B Lo 252.04	$3,850.00	B Lo stands for: Tx(5950.975-6048.975) Rx(6203.015-6301.015)mechanic compatible with SRAL XD antennas
DW576LB0.03	Harmony Radio 6L C Lo 252.04	$3,850.00	C Lo stands for: Tx(6010.275-6108.275) Rx(6262.315-6360.315)mechanic compatible with SRAL XD antennas
DW576LB0.04	Harmony Radio 6L D Lo 252.04	$3,850.00	D Lo stands for: Tx(6069.575-6167.575) Rx(6321.615-6419.615)mechanic compatible with SRAL XD antennas
DW576LB0.51	Harmony Radio 6L A Hi 252.04	$3,850.00	A Hi stands for: Tx(6182.415-6280.415) Rx(5930.375-6028.375)mechanic compatible with SRAL XD antennas
DW576LB0.52	Harmony Radio 6L B Hi 252.04	$3,850.00	B Hi stands for: Tx(6203.015-6301.015) Rx(5950.975-6048.975)mechanic compatible with SRAL XD antennas
DW576LB0.53	Harmony Radio 6L C Hi 252.04	$3,850.00	C Hi stands for: Tx(6262.315-6360.315) Rx(6010.275-6108.275)mechanic compatible with SRAL XD antennas
DW576LB0.54	Harmony Radio 6L D Hi 252.04	$3,850.00	D Hi stands for: Tx(6321.615-6419.615) Rx(6069.575-6167.575)mechanic compatible with SRAL XD antennas
	Harmony Radio 6GHz U		
DW576UB0.01	Harmony Radio 6U A Lo 340	$3,850.00	A Lo stands for: Tx(6435-6535) Rx(6775-6875) mechanic compatible with SRAL XD antennas
DW576UB0.02	Harmony Radio 6U B Lo 340	$3,850.00	B Lo stands for: Tx(6505-6610) Rx(6845-6950) mechanic compatible with SRAL XD antennas
DW576UB0.03	Harmony Radio 6U C Lo 340	$3,850.00	C Lo stands for: Tx(6590-6690) Rx(6930-7030) mechanic compatible with SRAL XD antennas
DW576UB0.04	Harmony Radio 6U D Lo 340	$3,850.00	D Lo stands for: Tx(6674-6775) Rx(7014-7115) mechanic compatible with SRAL XD antennas
DW576UB0.05	Harmony Radio 6U E Lo 340	$3,850.00	E Lo stands for: Tx(6565-6665) Rx(6905-7005) mechanic compatible with SRAL XD antennas
DW576UB0.06	Harmony Radio 6U F Lo 340	$3,850.00	F Lo stands for: Tx(6615-6715) Rx(6955-7055) mechanic compatible with SRAL XD antennas
DW576UB0.51	Harmony Radio 6U A Hi 340	$3,850.00	A Hi stands for: Tx(6775-6875) Rx(6435-6535) mechanic compatible with SRAL XD antennas
DW576UB0.52	Harmony Radio 6U B Hi 340	$3,850.00	B Hi stands for: Tx(6845-6950) Rx(6505-6610) mechanic compatible with SRAL XD antennas
DW576UB0.53	Harmony Radio 6U C Hi 340	$3,850.00	C Hi stands for: Tx(6930-7030) Rx(6590-6690) mechanic compatible with SRAL XD antennas
DW576UB0.54	Harmony Radio 6U D Hi 340	$3,850.00	D Hi stands for: Tx7014-7115) Rx(6674-6775) mechanic compatible with SRAL XD antennas
DW576UB0.55	Harmony Radio 6U E Hi 340	$3,850.00	E Hi stands for: Tx(6905-7005) Rx(6565-6665) mechanic compatible with SRAL XD antennas
DW576UB0.56	Harmony Radio 6U F Hi 340	$3,850.00	F Hi stands for: Tx(6955-7055) Rx(6615-6715) mechanic compatible with SRAL XD antennas
DW576UB1.01	Harmony Radio 6U G Lo 160	$3,850.00	G Lo stands for Tx:(6540-6600), Rx:(6700-6760), mechanic compatible with SRAL XD antennas
DW576UB1.02	Harmony Radio 6U H Lo 160	$3,850.00	H Lo stands for Tx:(6580-6640), Rx:(6740-6800), mechanic compatible with SRAL XD antennas
DW576UB1.03	Harmony Radio 6U I Lo 160	$3,850.00	I Lo stands for Tx:(6640-6710), Rx:(6800-6870), mechanic compatible with SRAL XD antennas
DW576UB1.51	Harmony Radio 6U G Hi 160	$3,850.00	G Hi stands for Tx:(6700-6760), Rx:(6540-6600), mechanic compatible with SRAL XD antennas
DW576UB1.52	Harmony Radio 6U H Hi 160	$3,850.00	H Hi stands for Tx:(6740-6800), Rx:(6580-6640), mechanic compatible with SRAL XD antennas
DW576UB1.53	Harmony Radio 6U I Hi160	$3,850.00	I Hi stands for Tx:(6800-6870), Rx:(6640-6710), mechanic compatible with SRAL XD antennas
	Harmony Radio 7GHz		
DW5707B0.01	Harmony Radio 7GHz A Lo 154	$3,850.00	A Lo stands for: Tx(7128.0-7212.0) Rx(7282.0-7366.0)mechanic compatible with SRAL XD antennas

DW5707B0.02	Harmony Radio 7GHz B Lo 154	$3,850.00	B Lo stands for: Tx(7184.0-7268.0) Rx(7338.0-7422.0)mechanic compatible with SRAL XD antennas
DW5707B0.03	Harmony Radio 7GHz C Lo 154	$3,850.00	C Lo stands for: Tx(7428.0-7512.0) Rx(7582.0-7666.0)mechanic compatible with SRAL XD antennas
DW5707B0.04	Harmony Radio 7GHz D Lo 154	$3,850.00	D Lo stands for: Tx(7484.0-7568.0) Rx(7638.0-7722.0)mechanic compatible with SRAL XD antennas
DW5707B0.51	Harmony Radio 7GHz A Hi 154	$3,850.00	A Hi stands for: Tx(7282.0-7366.0) Rx(7128.0-7212.0)mechanic compatible with SRAL XD antennas
DW5707B0.52	Harmony Radio 7GHz B Hi 154	$3,850.00	B Hi stands for: Tx(7338.0-7422.0) Rx(7184.0-7268.0)mechanic compatible with SRAL XD antennas
DW5707B0.53	Harmony Radio 7GHz C Hi 154	$3,850.00	C Hi stands for: Tx(7582.0-7666.0) Rx(7428.0-7512.0)mechanic compatible with SRAL XD antennas
DW5707B0.54	Harmony Radio 7GHz D Hi 154	$3,850.00	D Hi stands for: Tx(7638.0-7722.0) Rx(7484.0-7568.0)mechanic compatible with SRAL XD antennas
DW5707B1.01	Harmony Radio 7GHz E Lo 161	$3,850.00	E Lo stands for: Tx(7124.5-7208.5) Rx(7285.5-7369.5)mechanic compatible with SRAL XD antennas
DW5707B1.02	Harmony Radio 7GHz F Lo 161	$3,850.00	F Lo stands for: Tx(7180.5-7264.5) Rx(7341.5-7425.5)mechanic compatible with SRAL XD antennas
DW5707B1.03	Harmony Radio 7GHz G Lo 161	$3,850.00	G Lo stands for: Tx(7424.5-7508.5) Rx(7585.5-7669.5)mechanic compatible with SRAL XD antennas
DW5707B1.04	Harmony Radio 7GHz H Lo 161	$3,850.00	H Lo stands for: Tx(7480.5-7564.5) Rx(7641.5-7725.5)mechanic compatible with SRAL XD antennas
DW5707B1.05	Harmony Radio 7GHz Q Lo 161	$3,850.00	Q Lo stands for: Tx(7253-7337) Rx(7414-7498)mechanic compatible with SRAL XD antennas
DW5707B1.06	Harmony Radio 7GHz R Lo 161	$3,850.00	R Lo stands for: Tx(7309-7393) Rx(7470-7554)mechanic compatible with SRAL XD antennas
DW5707B1.07	Harmony Radio 7GHz S Lo 161	$3,850.00	S Lo stands for Tx:(7114-7198), Rx:(7275-7359), mechanic compatible with SRAL XD antennas
DW5707B1.08	Harmony Radio 7GHz T Lo 161	$3,850.00	T Lo stands for Tx:(7316-7400), Rx:(7477-7561), mechanic compatible with SRAL XD antennas
DW5707B1.09	Harmony Radio 7GHz U Lo 161	$3,850.00	U Lo stands for Tx:(7491-7575), Rx:(7652-7736), mechanic compatible with SRAL XD antennas
DW5707B1.51	Harmony Radio 7GHz E Hi 161	$3,850.00	E Hi stands for: Tx(7285.5-7369.5) Rx(7124.5-7208.5)mechanic compatible with SRAL XD antennas
DW5707B1.52	Harmony Radio 7GHz F Hi 161	$3,850.00	F Hi stands for: Tx(7341.5-7425.5) Rx(7180.5-7264.5)mechanic compatible with SRAL XD antennas
DW5707B1.53	Harmony Radio 7GHz G Hi 161	$3,850.00	G Hi stands for: Tx(7585.5-7669.5) Rx(7424.5-7508.5)mechanic compatible with SRAL XD antennas
DW5707B1.54	Harmony Radio 7GHz H Hi 161	$3,850.00	H Hi stands for: Tx(7641.5-7725.5) Rx(7480.5-7564.5)mechanic compatible with SRAL XD antennas
DW5707B1.55	Harmony Radio 7GHz Q Hi 161	$3,850.00	Q Hi stands for: Tx(7414-7498) Rx(7253-7337)mechanic compatible with SRAL XD antennas
DW5707B1.56	Harmony Radio 7GHz R Hi 161	$3,850.00	R Hi stands for: Tx(7470-7554) Rx(7309-7393)mechanic compatible with SRAL XD antennas
DW5707B1.57	Harmony Radio 7GHz S Hi 161	$3,850.00	S Hi stands for Tx:(7275-7359), Rx:(7114-7198), mechanic compatible with SRAL XD antennas
DW5707B1.58	Harmony Radio 7GHz T Hi 161	$3,850.00	T Hi stands for Tx:(7477-7561), Rx:(7316-7400), mechanic compatible with SRAL XD antennas
DW5707B1.59	Harmony Radio 7GHz U Hi 161	$3,850.00	U Hi stands for Tx:(7652-7736), Rx:(7491-7575), mechanic compatible with SRAL XD antennas
DW5707B2.01	Harmony Radio 7GHz I Lo 168	$3,850.00	I Lo stands for: Tx(7443.0-7527.0) Rx(7611.0-7695.0)mechanic compatible with SRAL XD antennas
DW5707B2.02	Harmony Radio 7GHz J Lo 168	$3,850.00	J Lo stands for: Tx(7499.0-7583.0) Rx(7667.0-7751.0)mechanic compatible with SRAL XD antennas
DW5707B2.51	Harmony Radio 7GHz I Hi 168	$3,850.00	I Hi stands for: Tx(7611.0-7695.0) Rx(7443.0-7527.0)mechanic compatible with SRAL XD antennas
DW5707B2.52	Harmony Radio 7GHz J Hi 168	$3,850.00	J Hi stands for: Tx(7667.0-7751.0) Rx(7443.0-7527.0)mechanic compatible with SRAL XD antennas
DW5707B3.01	Harmony Radio 7GHz K Lo 196	$3,850.00	K Lo stands for: Tx(7107.0-7191.0) Rx(7303.0-7387.0)mechanic compatible with SRAL XD antennas
DW5707B3.02	Harmony Radio 7GHz L Lo 196	$3,850.00	L Lo stands for: Tx(7163.0-7247.0) Rx(7359.0-7443.0)mechanic compatible with SRAL XD antennas
DW5707B3.51	Harmony Radio 7GHz K Hi 196	$3,850.00	K Hi stands for: Tx(7303.0-7387.0) Rx(7107.0-7191.0)mechanic compatible with SRAL XD antennas
DW5707B3.52	Harmony Radio 7GHz L Hi 196	$3,850.00	L Hi stands for: Tx(7359.0-7443.0) Rx(7163.0-7247.0)mechanic compatible with SRAL XD antennas
DW5707B4.01	Harmony Radio 7GHz M Lo 245	$3,850.00	M Lo stands for: Tx(7428.0-7523.0) Rx(7673.0-7768.0)mechanic compatible with SRAL XD antennas
DW5707B4.02	Harmony Radio 7GHz N Lo 245	$3,850.00	N Lo stands for: Tx(7484.0-7579.0) Rx(7729.0-7824.0)mechanic compatible with SRAL XD antennas
DW5707B4.03	Harmony Radio 7GHz O Lo 245	$3,850.00	O Lo stands for: Tx(7529.0-7624.0) Rx(7774.0-7869.0)mechanic compatible with SRAL XD antennas
DW5707B4.04	Harmony Radio 7GHz P Lo 245	$3,850.00	P Lo stands for: Tx(7557.0-7652.0) Rx(7802.0-7897.0)mechanic compatible with SRAL XD antennas
DW5707B4.51	Harmony Radio 7GHz M Hi 245	$3,850.00	M Hi stands for: Tx(7673.0-7768.0) Rx(7428.0-7523.0)mechanic compatible with SRAL XD antennas
DW5707B4.52	Harmony Radio 7GHz N Hi 245	$3,850.00	N Hi stands for: Tx(7729.0-7824.0) Rx(7484.0-7579.0)mechanic compatible with SRAL XD antennas
DW5707B4.53	Harmony Radio 7GHz O Hi 245	$3,850.00	O Hi stands for: Tx(7774.0-7869.0) Rx(7529.0-7624.0)mechanic compatible with SRAL XD antennas
DW5707B4.54	Harmony Radio 7GHz P Hi 245	$3,850.00	P Hi stands for: Tx(7802.0-7897.0) Rx(7557.0-7652.0)mechanic compatible with SRAL XD antennas
	Harmony Radio 8GHz		
DW5708B0.01	Harmony Radio 8GHz A Lo 119	$3,850.00	A Lo stands for: Tx(8279,0-8335,0) Rx(8398,0-8454,0)mechanic compatible with SRAL XD antennas
DW5708B0.02	Harmony Radio 8GHz B Lo 119	$3,850.00	B Lo stands for: Tx(8293,0-8349,0) Rx(8412,0-8468,0)mechanic compatible with SRAL XD antennas
DW5708B0.03	Harmony Radio 8GHz C Lo 119	$3,850.00	C Lo stands for: Tx(8307,0-8363,0) Rx(8426,0-8482,0)mechanic compatible with SRAL XD antennas
DW5708B0.04	Harmony Radio 8GHz D Lo 119	$3,850.00	D Lo stands for: Tx(8321,0-8377,0) Rx(8440,0-8496,0)mechanic compatible with SRAL XD antennas
DW5708B0.51	Harmony Radio 8GHz A Hi 119	$3,850.00	A Hi stands for: Tx(8398,0-8454,0) Rx(8279,0-8335,0)mechanic compatible with SRAL XD antennas

DW5708B0.52	Harmony Radio 8GHz B Hi 119	$3,850.00	B Hi stands for: Tx(8412,0-8468,0) Rx(8293,0-8349,0)mechanic compatible with SRAL XD antennas
DW5708B0.53	Harmony Radio 8GHz C Hi 119	$3,850.00	C Hi stands for: Tx(8426,0-8482,0) Rx(8307,0-8363,0)mechanic compatible with SRAL XD antennas
DW5708B0.54	Harmony Radio 8GHz D Hi 119	$3,850.00	D Hi stands for: Tx(8440,0-8496,0) Rx(8321,0-8377,0)mechanic compatible with SRAL XD antennas
DW5708B1.01	Harmony Radio 8GHz E Lo 311,32	$3,850.00	E Lo stands for: Tx(7716-7828) Rx(8027,375-8139,375)mechanic compatible with SRAL XD antennas
DW5708B1.02	Harmony Radio 8GHz F Lo 311,32	$3,850.00	F Lo stands for: Tx(7874,25-7970,125) Rx(8185,625-8281,5)mechanic compatible with SRAL XD antennas
DW5708B1.03	Harmony Radio 8GHz G Lo 311,32	$3,850.00	G Lo stands for: Tx(7793-7888) Rx(8104,375-8199,375)mechanic compatible with SRAL XD antennas
DW5708B1.04	Harmony Radio 8GHz H Lo 311,32	$3,850.00	H Lo stands for: Tx(7815-7910) Rx(8126,375-8221,375)mechanic compatible with SRAL XD antennas
DW5708B1.51	Harmony Radio 8GHz E Hi 311,32	$3,850.00	E Hi stands for: Tx(8027,375-8139,375) Rx(7716-7828)mechanic compatible with SRAL XD antennas
DW5708B1.52	Harmony Radio 8GHz F Hi 311,32	$3,850.00	F Hi stands for: Tx(8185,625-8281,5) Rx(7874,25-7970,125)mechanic compatible with SRAL XD antennas
DW5708B1.53	Harmony Radio 8GHz G Hi 311,32	$3,850.00	G Hi stands for: Tx(8104,375-8199,375) Rx(7793-7888)mechanic compatible with SRAL XD antennas
DW5708B1.54	Harmony Radio 8GHz H Hi 311,32	$3,850.00	H Hi stands for: Tx(8126,375-8221,375) Rx(7815-7910)mechanic compatible with SRAL XD antennas
DW5708B4.01	Harmony Radio 8GHz I Lo 126	$3,850.00	I Lo stands for: Tx(8282,5-8338,5) Rx(8408,5-8464,5)mechanic compatible with SRAL XD antennas
DW5708B4.02	Harmony Radio 8GHz J Lo 126	$3,850.00	J Lo stands for: Tx(8310,5-8366,5) Rx(8436,5-8492,5)mechanic compatible with SRAL XD antennas
DW5708B4.51	Harmony Radio 8GHz I Hi 126	$3,850.00	I Hi stands for: Tx(8408,5-8464,5) Rx(8282,5-8338,5)mechanic compatible with SRAL XD antennas
DW5708B4.52	Harmony Radio 8GHz J Hi 126	$3,850.00	J Hi stands for: Tx(8436,5-8492,5) Rx(8310,5-8366,5)mechanic compatible with SRAL XD antennas
DW5708B3.01	Harmony Radio 8GHz K Lo 266	$3,850.00	K Lo stands for: Tx(7905-8000) Rx(8171-8266)mechanic compatible with SRAL XD antennas
DW5708B3.02	Harmony Radio 8GHz L Lo 266	$3,850.00	L Lo stands for: Tx(7940-8035) Rx(8206-8301)mechanic compatible with SRAL XD antennas
DW5708B3.03	Harmony Radio 8GHz M Lo 266	$3,850.00	M Lo stands for: Tx(7985-8080) Rx(8251-8346)mechanic compatible with SRAL XD antennas
DW5708B3.04	Harmony Radio 8GHz N Lo 266	$3,850.00	N Lo stands for: Tx(8041-8136) Rx(8307-8402)mechanic compatible with SRAL XD antennas
DW5708B3.51	Harmony Radio 8GHz K Hi 266	$3,850.00	K Hi stands for: Tx(8171-8266) Rx(7905-8000)mechanic compatible with SRAL XD antennas
DW5708B3.52	Harmony Radio 8GHz L Hi 266	$3,850.00	L Hi stands for: Tx(8206-8301) Rx(7940-8035)mechanic compatible with SRAL XD antennas
DW5708B3.53	Harmony Radio 8GHz M Hi 266	$3,850.00	M Hi stands for: Tx(8251-8346) Rx(7985-8080)mechanic compatible with SRAL XD antennas
DW5708B3.54	Harmony Radio 8GHz N Hi 266	$3,850.00	N Hi stands for: Tx(8307-8402) Rx(8041-8136)mechanic compatible with SRAL XD antennas
DW5708B5.01	Harmony Radio 8GHz O Lo 310	$3,850.00	O Lo stands for: Tx(7905-8017) Rx(8215-8327)mechanic compatible with SRAL XD antennas
DW5708B5.02	Harmony Radio 8GHz P Lo 310	$3,850.00	P Lo stands for: Tx(7989-8101) Rx(8299-8411)mechanic compatible with SRAL XD antennas
DW5708B5.03	Harmony Radio 8GHz Q Lo 310	$3,850.00	Q Lo stands for: Tx(8073-8185) Rx(8383-8495)mechanic compatible with SRAL XD antennas
DW5708B5.51	Harmony Radio 8GHz O Hi 310	$3,850.00	O Hi stands for: Tx(8215-8327) Rx(7905-8017)mechanic compatible with SRAL XD antennas
DW5708B5.52	Harmony Radio 8GHz P Hi 310	$3,850.00	P Hi stands for: Tx(8299-8411) Rx(7989-8101)mechanic compatible with SRAL XD antennas
DW5708B5.53	Harmony Radio 8GHz Q Hi 310	$3,850.00	Q Hi stands for: Tx(8383-8495) Rx(8073-8185)mechanic compatible with SRAL XD antennas
	Harmony Radio 10GHz		
DW5710B0.01	Harmony Radio 10GHz A Lo 91	$3,850.00	A Lo stands for Tx:(10479,5-10507,5), Rx:(10570,5-10598,5), mechanic compatible with SRAL XD antennas
DW5710B0.02	Harmony Radio 10GHz B Lo 91	$3,850.00	B Lo stands for Tx:(10500,5-10528,5), Rx:(10591,5-10619,5), mechanic compatible with SRAL XD antennas
DW5710B0.03	Harmony Radio 10GHz C Lo 91	$3,850.00	C Lo stands for Tx:(10521,5-10549,5), Rx:(10612,5-10640,5), mechanic compatible with SRAL XD antennas
DW5710B0.04	Harmony Radio 10GHz D Lo 91	$3,850.00	D Lo stands for Tx:(10542,5-10570,5), Rx:(10633,5-10661,5), mechanic compatible with SRAL XD antennas
DW5710B0.05	Harmony Radio 10GHz E Lo 91	$3,850.00	E Lo stands for Tx:(10563,5-10591,5), Rx:(10654,5-10682,5), mechanic compatible with SRAL XD antennas
DW5710B0.06	Harmony Radio 10GHz F Lo 91	$3,850.00	F Lo stands for Tx:(10584,5-10612,5), Rx:(10675,5-10703,5), mechanic compatible with SRAL XD antennas
DW5710B0.51	Harmony Radio 10GHz A Hi 91	$3,850.00	A Hi stands for Tx:(10570,5-10598,5), Rx:(10479,5-10507,5), mechanic compatible with SRAL XD antennas
DW5710B0.52	Harmony Radio 10GHz B Hi 91	$3,850.00	B Hi stands for Tx:(10591,5-10619,5), Rx:(10500,5-10528,5), mechanic compatible with SRAL XD antennas
DW5710B0.53	Harmony Radio 10GHz C Hi 91	$3,850.00	C Hi stands for Tx:(10612,5-10640,5), Rx:(10521,5-10549,5), mechanic compatible with SRAL XD antennas
DW5710B0.54	Harmony Radio 10GHz D Hi 91	$3,850.00	D Hi stands for Tx:(10633,5-10661,5), Rx:(10542,5-10570,5), mechanic compatible with SRAL XD antennas
DW5710B0.55	Harmony Radio 10GHz E Hi 91	$3,850.00	E Hi stands for Tx:(10654,5-10682,5), Rx:(10563,5-10591,5), mechanic compatible with SRAL XD antennas
DW5710B0.56	Harmony Radio 10GHz F Hi 91	$3,850.00	F Hi stands for Tx:(10675,5-10703,5), Rx:(10584,5-10612,5), mechanic compatible with SRAL XD antennas
DW5710B1.01	Harmony Radio 10GHz G Lo 350	$3,850.00	G Lo stands for Tx:(10000-10159), Rx:(10350-10509), mechanic compatible with SRAL XD antennas
DW5710B1.02	Harmony Radio 10GHz H Lo 350	$3,850.00	H Lo stands for Tx:(10145-10304), Rx:(10495-10654), mechanic compatible with SRAL XD antennas
DW5710B1.51	Harmony Radio 10GHz G Hi 350	$3,850.00	G Hi stands for Tx:(10350-10509), Rx:(10000-10159), mechanic compatible with SRAL XD antennas
DW5710B1.52	Harmony Radio 10GHz H Hi 350	$3,850.00	H Hi stands for Tx:(10495-10654), Rx:(10145-10304), mechanic compatible with SRAL XD antennas

	Harmony Radio 11GHz		
DW5711B0.01	Harmony Radio 11GHz A Lo 530	$3,850.00	A Lo stands for: Tx(10695-10935) Rx(11225-11465) mechanic compatible with SRAL XD antennas
DW5711B0.02	Harmony Radio 11GHz B Lo 530	$3,850.00	B Lo stands for: Tx(10925-11175) Rx(11455-11705) mechanic compatible with SRAL XD antennas
DW5711B0.03	Harmony Radio 11GHz C Lo 530	$3,850.00	C Lo stands for: Tx(10675-10955) Rx(11205-11485) mechanic compatible with SRAL XD antennas
DW5711B0.04	Harmony Radio 11GHz D Lo 530	$3,850.00	D Lo stands for: Tx(10905-11157) Rx(11435-11687) mechanic compatible with SRAL XD antennas
DW5711B0.51	Harmony Radio 11GHz A Hi 530	$3,850.00	A Hi stands for: Tx(11225-11465) Rx(10695-10935) mechanic compatible with SRAL XD antennas
DW5711B0.52	Harmony Radio 11GHz B Hi 530	$3,850.00	B Hi stands for: Tx(11455-11705) Rx(10925-11175) mechanic compatible with SRAL XD antennas
DW5711B0.53	Harmony Radio 11GHz C Hi 530	$3,850.00	C Hi stands for: Tx(11205-11485) Rx(10675-10955) mechanic compatible with SRAL XD antennas
DW5711B0.54	Harmony Radio 11GHz D Hi 530	$3,850.00	D Hi stands for: Tx11435-11687) Rx(10905-11157) mechanic compatible with SRAL XD antennas
DW5711B1.01	Harmony Radio 11GHz E Lo 490	$3,850.00	A Lo stands for: Tx(10700-10961) Rx(11190-11451) mechanic compatible with SRAL XD antennas
DW5711B1.02	Harmony Radio 11GHz F Lo 490	$3,850.00	B Lo stands for: Tx(10933-11210) Rx(11423-11700) mechanic compatible with SRAL XD antennas
DW5711B1.51	Harmony Radio 11GHz E Hi 490	$3,850.00	A Hi stands for: Tx(11190-11451) Rx(10700-10961) mechanic compatible with SRAL XD antennas
DW5711B1.52	Harmony Radio 11GHz F Hi 490	$3,850.00	B Hi stands for: Tx(11423-11700) Rx(10933-11210) mechanic compatible with SRAL XD antennas
	Harmony Radio 13GHz		
DW5713B0.01	Harmony Radio 13GHz A Lo 266	$3,850.00	A Lo stands for: Tx(12750.0-12835.0) Rx(13016.0-13101.0)mechanic compatible with SRAL XD antennas
DW5713B0.02	Harmony Radio 13GHz B Lo 266	$3,850.00	B Lo stands for: Tx(12806.0-12891.0) Rx(13072.0-13157.0)mechanic compatible with SRAL XD antennas
DW5713B0.03	Harmony Radio 13GHz C Lo 266	$3,850.00	C Lo stands for: Tx(12862.0-12947.0) Rx(13128.0-13213.0)mechanic compatible with SRAL XD antennas
DW5713B0.04	Harmony Radio 13GHz D Lo 266	$3,850.00	D Lo stands for: Tx(12890.0-12975.0) Rx(13156.0-13241.0)mechanic compatible with SRAL XD antennas
DW5713B0.51	Harmony Radio 13GHz A Hi 266	$3,850.00	A Hi stands for: Tx(13016.0-13101.0) Rx(12750.0-12835.0)mechanic compatible with SRAL XD antennas
DW5713B0.52	Harmony Radio 13GHz B Hi 266	$3,850.00	B Hi stands for: Tx(13072.0-13157.0) Rx(12806.0-12891.0)mechanic compatible with SRAL XD antennas
DW5713B0.53	Harmony Radio 13GHz C Hi 266	$3,850.00	C Hi stands for: Tx(13128.0-13213.0) Rx(12862.0-12947.0)mechanic compatible with SRAL XD antennas
DW5713B0.54	Harmony Radio 13GHz D Hi 266	$3,850.00	D Hi stands for: Tx(13156.0-13241.0) Rx(12890.0-12975.0)mechanic compatible with SRAL XD antennas
	Harmony Radio 15GHz		
DW5715B0.01	Harmony Radio 15GHz A Lo 420	$3,850.00	A Lo stands for: Tx(14485.0-14681.0) Rx(14905.0-15101.0)mechanic compatible with SRAL XD antennas
DW5715B0.02	Harmony Radio 15GHz B Lo 420	$3,850.00	B Lo stands for: Tx(14625.0-14821.0) Rx(15045.0-15241.0)mechanic compatible with SRAL XD antennas
DW5715B0.03	Harmony Radio 15GHz C Lo 420	$3,850.00	C Lo stands for: Tx(14760.0-14950.0) Rx(15180.0-15370.0)mechanic compatible with SRAL XD antennas
DW5715B0.51	Harmony Radio 15GHz A Hi 420	$3,850.00	A Hi stands for: Tx(14905.0-15101.0) Rx(14485.0-14681.0)mechanic compatible with SRAL XD antennas
DW5715B0.52	Harmony Radio 15GHz B Hi 420	$3,850.00	B Hi stands for: Tx(15045.0-15241.0) Rx(14625.0-14821.0)mechanic compatible with SRAL XD antennas
DW5715B0.53	Harmony Radio 15GHz C Hi 420	$3,850.00	C Hi stands for: Tx(15180.0-15370.0) Rx(14760.0-14950.0)mechanic compatible with SRAL XD antennas
DW5715B4.01	Harmony Radio 15GHz D Lo 728	$3,850.00	D Lo stands for: Tx(14501-14620) Rx(15229-15348)mechanic compatible with SRAL XD antennas
DW5715B4.51	Harmony Radio 15GHz D Hi 728	$3,850.00	D Hi stands for: Tx(15229-15348) Rx(14501-14620)mechanic compatible with SRAL XD antennas
DW5715B1.01	Harmony Radio 15GHz E Lo 490	$3,850.00	E Lo stands for: Tx(14403,0 -14583,0) Rx(14893,0-15073,0)mechanic compatible with SRAL XD antennas
DW5715B1.02	Harmony Radio 15GHz F Lo 490	$3,850.00	F Lo stands for: Tx(14527-14723) Rx(15017-15213)mechanic compatible with SRAL XD antennas
DW5715B1.03	Harmony Radio 15GHz G Lo 490	$3,850.00	G Lo stands for: Tx(14667,0-14881,0) Rx(15157,0-15371,0)mechanic compatible with SRAL XD antennas
DW5715B1.51	Harmony Radio 15GHz E Hi 490	$3,850.00	E Hi stands for: Tx(14893,0-15073,0) Rx(14403,0 -14583,0)mechanic compatible with SRAL XD antennas
DW5715B1.52	Harmony Radio 15GHz F Hi 490	$3,850.00	F Hi stands for: Tx(15017-15213) Rx(14527-14723)mechanic compatible with SRAL XD antennas
DW5715B1.53	Harmony Radio 15GHz G Hi 490	$3,850.00	G Hi stands for: Tx(15157,0-15371,0) Rx(14667,0-14881,0)mechanic compatible with SRAL XD antennas
DW5715B5.01	Harmony Radio 15GHz H Lo 644	$3,850.00	H Lo stands for: Tx(14500-14620) Rx(15144-15264)mechanic compatible with SRAL XD antennas
DW5715B5.02	Harmony Radio 15GHz I Lo 644	$3,850.00	I Lo stands for: Tx(14592-14712) Rx(15236-15356)mechanic compatible with SRAL XD antennas
DW5715B5.51	Harmony Radio 15GHz H Hi 644	$3,850.00	H Hi stands for: Tx(15144-15264) Rx(14500-14620)mechanic compatible with SRAL XD antennas
DW5715B5.52	Harmony Radio 15GHz I Hi 644	$3,850.00	I Hi stands for: Tx(15236-15356) Rx(14592-14712)mechanic compatible with SRAL XD antennas
DW5715B2.01	Harmony Radio 15GHz L Lo 315	$3,850.00	L Lo stands for: Tx(14604,0-14741,0) Rx(14919,0-15056,0)mechanic compatible with SRAL XD antennas
DW5715B2.02	Harmony Radio 15GHz M Lo 315	$3,850.00	M Lo stands for: Tx(14688-14825) Rx(15003-15140)mechanic compatible with SRAL XD antennas
DW5715B2.03	Harmony Radio 15GHz N Lo 315	$3,850.00	N Lo stands for: Tx(14786,0-14923,0) Rx(15101,0-15238,0)mechanic compatible with SRAL XD antennas

DW5715B2.51	Harmony Radio 15GHz L Hi 315	$3,850.00	L Hi stands for: Tx(14919,0-15056,0) Rx(14604,0-14741,0)mechanic compatible with SRAL XD antennas
DW5715B2.52	Harmony Radio 15GHz M Hi 315	$3,850.00	M Hi stands for: Tx(15003-15140) Rx(14688-14825)mechanic compatible with SRAL XD antennas
DW5715B2.53	Harmony Radio 15GHz N Hi 315	$3,850.00	N Hi stands for: Tx(15101,0-15238,0) Rx(14786,0-14923,0)mechanic compatible with SRAL XD antennas
DW5715B6.01	Harmony Radio 15GHz O Lo 470	$3,850.00	O Lo stands for Tx:(14400-14660), Rx:(14870-15130), mechanic compatible with SRAL XD antennas
DW5715B6.02	Harmony Radio 15GHz P Lo 470	$3,850.00	P Lo stands for Tx:(14600-14860), Rx:(15070-15330), mechanic compatible with SRAL XD antennas
DW5715B6.51	Harmony Radio 15GHz O Hi 470	$3,850.00	O Hi stands for Tx:(14870-15130), Rx:(14400-14660), mechanic compatible with SRAL XD antennas
DW5715B6.52	Harmony Radio 15GHz P Hi 470	$3,850.00	P Hi stands for Tx:(15070-15330), Rx:(14600-14860), mechanic compatible with SRAL XD antennas
	Harmony Radio 18GHz		
DW5718B1.01	Harmony Radio 18GHz A Lo 1010	$3,850.00	A Lo stands for: Tx(17700-18225) Rx(18710-19235)mechanic compatible with SRAL XD antennas
DW5718B1.02	Harmony Radio 18GHz B Lo 1010	$3,850.00	B Lo stands for: Tx(18162-18690) Rx(19172-19700)mechanic compatible with SRAL XD antennas
DW5718B1.51	Harmony Radio 18GHz A Hi 1010	$3,850.00	A Hi stands for: Tx(18710-19235) Rx(17700-18225)mechanic compatible with SRAL XD antennas
DW5718B1.52	Harmony Radio 18GHz B Hi 1010	$3,850.00	B Hi stands for: Tx(19172-19700) Rx(18162-18690)mechanic compatible with SRAL XD antennas
DW5718B3.01	Harmony Radio 18GHz D Lo 1008	$3,850.00	D Lo stands for: Tx(17720,5-18210,5) Rx(18728,5-19218,5)mechanic compatible with SRAL XD antennas
DW5718B3.02	Harmony Radio 18GHz E Lo 1008	$3,850.00	E Lo stands for: Tx(18182,5-18672,5) Rx(19190,5-19680,5)mechanic compatible with SRAL XD antennas
DW5718B3.51	Harmony Radio 18GHz D Hi 1008	$3,850.00	D Hi stands for: Tx(18728,5-19218,5) Rx(17720,5-18210,5)mechanic compatible with SRAL XD antennas
DW5718B3.52	Harmony Radio 18GHz E Hi 1008	$3,850.00	E Hi stands for: Tx(19190,5-19680,5) Rx(18182,5-18672,5)mechanic compatible with SRAL XD antennas
DW5718B2.01	Harmony Radio 18GHz C Lo 1560	$3,850.00	C Lo stands for: Tx(17700-18140) Rx(19260-19700)mechanic compatible with SRAL XD antennas
DW5718B2.51	Harmony Radio 18GHz C Hi 1560	$3,850.00	C Hi stands for: Tx(19260-19700) Rx(17700-18140)mechanic compatible with SRAL XD antennas
DW5718B5.01	Harmony Radio 18GHz F Lo 750	$3,850.00	F Lo stands for: Tx(17830-17990) Rx(18580-18740)mechanic compatible with SRAL XD antennas
DW5718B5.51	Harmony Radio 18GHz F Hi 750	$3,850.00	F Hi stands for: Tx(18580-18740) Rx(17830-17990)mechanic compatible with SRAL XD antennas
	Harmony Radio 23GHz		
DW5723B0.01	Harmony Radio 23GHz A Lo 1008	$3,850.00	A Lo stands for: Tx(22002.5-22591.0) Rx(23010.5-23599.0)mechanic compatible with SRAL XD antennas
DW5723B0.51	Harmony Radio 23GHz A Hi 1008	$3,850.00	A Hi stands for: Tx(23010.5-23599.0) Rx(22002.5-22591.0)mechanic compatible with SRAL XD antennas
DW5723B1.01	Harmony Radio 23GHz B Lo 1232	$3,850.00	B Lo stands for: Tx(21200-21798) Rx(22432-23030)mechanic compatible with SRAL XD antennas
DW5723B1.02	Harmony Radio 23GHz C Lo 1232	$3,850.00	C Lo stands for: Tx(21770-22368) Rx(23002-23600)mechanic compatible with SRAL XD antennas
DW5723B1.51	Harmony Radio 23GHz B Hi 1232	$3,850.00	B Hi stands for: Tx(22432-23030) Rx(21200-21798)mechanic compatible with SRAL XD antennas
DW5723B1.52	Harmony Radio 23GHz C Hi 1232	$3,850.00	C Hi stands for: Tx(23002-23600) Rx(21770-22368)mechanic compatible with SRAL XD antennas
DW5723B2.01	Harmony Radio 23GHz D Lo 1200	$3,850.00	D Lo stands for: Tx(21200.0-21814.0) Rx(22400.0-23014.0)mechanic compatible with SRAL XD antennas
DW5723B2.02	Harmony Radio 23GHz E Lo 1200	$3,850.00	E Lo stands for: Tx(21786.0-22400.0) Rx(22986.0-23600.0)mechanic compatible with SRAL XD antennas
DW5723B2.51	Harmony Radio 23GHz D Hi 1200	$3,850.00	D Hi stands for: Tx(22400.0-23014.0) Rx(21200.0-21814.0)mechanic compatible with SRAL XD antennas
DW5723B2.52	Harmony Radio 23GHz E Hi 1200	$3,850.00	E Hi stands for: Tx(22986.0-23600.0) Rx(21786.0-22400.0)mechanic compatible with SRAL XD antennas
	Harmony Radio 26 GHz		
DW5726B0.01	Harmony Radio 26GHz A Lo 1008	$3,850.00	A Lo stands for: Tx(24516.0-25056.0) Rx(25524.0-26064.0) mechanic compatible with SRAL XD antennas
DW5726B0.02	Harmony Radio 26GHz B Lo 1008	$3,850.00	B Lo stands for: Tx(24938.0-25478.0) Rx(25946.0-26486.0) mechanic compatible with SRAL XD antennas
DW5726B0.51	Harmony Radio 26GHz A Hi 1008	$3,850.00	A Hi stands for: Tx(25524.0-26064.0) Rx(24516.0-25056.0) mechanic compatible with SRAL XD antennas
DW5726B0.52	Harmony Radio 26GHz B Hi 1008	$3,850.00	B Hi stands for: Tx(25946.0-26486.0) Rx(24938.0-25478.0) mechanic compatible with SRAL XD antennas
	Harmony Radio 28 GHz		
DW5728B0.01	Harmony Radio 28GHz A Lo 1008	$3,850.00	A Lo stands for: Tx(27516.0-28056.0) Rx(28524.0-29064.0) mechanic compatible with SRAL XD antennas
DW5728B0.02	Harmony Radio 28GHz B Lo 1008	$3,850.00	B Lo stands for: Tx(27938.0-28478.0) Rx(28946.0-29486.0) mechanic compatible with SRAL XD antennas
DW5728B0.51	Harmony Radio 28GHz A Hi 1008	$3,850.00	A Hi stands for: Tx(28524.0-29064.0) Rx(27516.0-28056.0) mechanic compatible with SRAL XD antennas
DW5728B0.52	Harmony Radio 28GHz B Hi 1008	$3,850.00	B Hi stands for: Tx(28946.0-29486.0) Rx(27938.0-28478.0) mechanic compatible with SRAL XD antennas
	Harmony Radio 32 GHz		
DW5732B0.01	Harmony Radio 32GHzA Lo 812	$3,850.00	A Lo stands for: Tx(31815.0-32207.0) Rx(32627.0-33019.0) mechanic compatible with SRAL XD antennas

DW5732B0.02	Harmony Radio 32GHzB Lo 812	$3,850.00	B Lo stands for: Tx(32179.0-32571.0) Rx(32991.0-33383.0) mechanic compatible with SRAL XD antennas
DW5732B0.51	Harmony Radio 32GHzA Hi 812	$3,850.00	A Hi stands for: Tx(32627.0-33019.0) Rx(31815.0-32207.0)mechanic compatible with SRAL XD antennas
DW5732B0.52	Harmony Radio 32GHzB Hi 812	$3,850.00	B Hi stands for: Tx(32991.0-33383.0) Rx(32179.0-32571.0) mechanic compatible with SRAL XD antennas
	Harmony Radio 38GHz		
DW5738B0.01	Harmony Radio 38GHz A Lo 1260	$3,850.00	A Lo stands for: Tx(37058.0-37632.0) Rx(38318.0-38892.0)mechanic compatible with SRAL XD antennas
DW5738B0.02	Harmony Radio 38GHz B Lo 1260	$3,850.00	B Lo stands for: Tx(37604.0-38178.0) Rx(38864.0-39438.0)mechanic compatible with SRAL XD antennas
DW5738B0.51	Harmony Radio 38GHz A Hi 1260	$3,850.00	A Hi stands for: Tx(38318.0-38892.0) Rx(37058.0-37632.0)mechanic compatible with SRAL XD antennas
DW5738B0.52	Harmony Radio 38GHz B Hi 1260	$3,850.00	B Hi stands for: Tx(38864.0-39438.0) Rx(37604.0-38178.0)mechanic compatible with SRAL XD antennas
	Harmony Radio 42GHz		
DW5742B0.01	Harmony Radio 42GHz A Lo 1500	$3,850.00	A Lo stands for Tx:(40550-41098), Rx:(42050-42598)
DW5742B0.02	Harmony Radio 42GHz B Lo 1500	$3,850.00	B Lo stands for Tx:(40983-41531), Rx:(42483-43031)
DW5742B0.03	Harmony Radio 42GHz C Lo 1500	$3,850.00	C Lo stands for Tx:(41416-41964), Rx:(42916-43464)
DW5742B0.51	Harmony Radio 42GHz A Hi 1500	$3,850.00	A Hi stands for Tx:(42050-42598), Rx:(40550-41098)
DW5742B0.52	Harmony Radio 42GHz B Hi 1500	$3,850.00	B Hi stands for Tx:(42483-43031), Rx:(40983-41531)
DW5742B0.53	Harmony Radio 42GHz C Hi 1500	$3,850.00	C Hi stands for Tx:(42916-43464), Rx:(41416-41964)

Harmony Radio SW and Licenses

	Basic Software		
DW57BSW.01	Harmony MR Basic Software	0	Order one each Harmony Radio
	Software release media and CD		
	Software for Packet		
DW57BSW2.70	Harmony MR SW R2.7 e-media	$0.00	Harmony Radio SW rel 2.7 for e-media delivery through DWI License Server
DW57BSWCD2.70	Harmony MR SW R2.7 CD	$10.00	Harmony Radio SW rel 2.7 for CD delivery
	Software for Security		
DW57SPK2.10	Harmony MR Sec 1.0 e-media	$0.00	Harmony Radio Security package for e-media delivery through DWI License Server; License DW57KEYL.80 needs to be ordered in addition to software.
DW57SPKCD2.10	Harmony MR Sec 1.0 CD	$10.00	Harmony Radio Security package for CD delivery.; License DW57KEYL.80 needs to be ordered in addition to software.
	Application Software		
DW57KEYL.50	50 Mb/s capacity LK	$400.00	Order one each Harmony Radio
DW57KEYL.51	100 Mb/s capacity LK	$650.00	Order one each Harmony Radio
DW57KEYL.52	150 Mb/s capacity LK	$750.00	Order one each Harmony Radio
DW57KEYL.53	200 Mb/s capacity LK	$850.00	Order one each Harmony Radio
DW57KEYL.54	300 Mb/s capacity LK	$1,150.00	Order one each Harmony Radio
DW57KEYL.55	Maximum capacity LK	$1,650.00	Order one each Harmony Radio
DW57KEYL.60	AM LK	$250.00	Order one each Harmony Radio
DW57KEYL.70	XPIC LK	$250.00	Order one each Harmony Radio
DW57KEYL.71	Stand alone HSBy and Diversity LK	$250.00	Order one each Harmony Radio
DW57KEYL.80	SHA1 security LK	$250.00	Security pack that enables SNMPv3, SSH, SFPT, https working w SHA1 encryption algorithm Order one each Harmony Radio
DW57KEYL.88	2+2 protection	$500.00	Order one each Harmony Radio. For 2+2 XPIC: to be ordered in addiction to DW57KEYL.70 XPIC LK. For 2+2 FD: to be ordered in addition to DW57KEYL.71 Stand alone HSBy and Diversity LK.
DW57KEYL.89	Packet Fragmentation	$250.00	Order one each Harmony Radio
DW57KEYL.90	Advanced Monitoring	$250.00	Order one each Harmony Radio
DW57KEYL.91	Energy Saving LK - Frequency Diversity only	$250.00	Order one each Harmony Radio
DW57KEYL.92	Congestion avoidance LK	$500.00	Order one each Harmony Radio
DW57KEYL.82	Upgrade to 50 Mbps LK	$425.00	Order one each Harmony Radio
DW57KEYL.83	From 50 to 100 Mbps upgrade LK	$300.00	Order one each Harmony Radio
DW57KEYL.84	From 100 to 150 Mbps upgrade LK	$150.00	Order one each Harmony Radio
DW57KEYL.85	From 150 to 200 Mbps upgrade LK	$100.00	Order one each Harmony Radio
DW57KEYL.86	From 200 to 300 Mbps upgrade LK	$400.00	Order one each Harmony Radio
DW57KEYL.87	From 300 to Max cap. upgrade LK	$600.00	Order one each Harmony Radio

Harmony First Mile 200

Part Number	Description	List (USD)	Notes
	Harmony First Mile HW		
T555FME0.20	Harmony First Mile 200	$1,000.00	
	Harmony First Mile BSW		
T555200BSW.00	Harmony First Mile 200 Basic Software	0	Mandatory item, include enabling of E1 ports, enabling of 2 Eth ports to be used both as radio or local ports
	Software release media		
T555200SW2.00	Harmony First Mile 200 SW R2.0 e-media	$0.00	Harmony First Mile 200 SW rel 2.0 for e-media delivery through DWI License Server
T555200CD2.00	Harmony First Mile 200 SW R2.0 CD	$10.00	Harmony First Mile 200 SW rel 2.0 for CD delivery
T555200SW2.10	Harmony First Mile 200 SW R2.0 EP1 e-media	$0.00	Harmony First Mile 200 SW rel 2.0 EP1 for e-media delivery through DWI License Server
T555200CD2.10	Harmony First Mile 200 SW R2.0 EP1 CD	$10.00	Harmony First Mile 200 SW rel 2.0 EP1 for CD delivery
T555200SW2.20	Harmony First Mile 200 SW R2.0 EP2 e-media	$0.00	Harmony First Mile 200 SW rel 2.0 EP2 for e-media delivery through DWI License Server
T555200CD2.20	Harmony First Mile 200 SW R2.0 EP2 CD	$10.00	Harmony First Mile 200 SW rel 2.0 EP2 for CD delivery
T555200SW2.50	Harmony First Mile 200 SW R2.5 e-media	$0.00	Harmony First Mile 200 SW rel 2.5 for e-media delivery through DWI License Server
T555200CD2.50	Harmony First Mile 200 SW R2.5 CD	$10.00	Harmony First Mile 200 SW rel 2.5 for CD delivery
T555200SE.20	FM200 security software package R2.0 on e-media	$0.00	Security software package for e-media delivery through DWI License Server
T555200SC.20	FM200 security software package R2.0 on CD	$10.00	Security software package for CD delivery
	Harmony First Mile ASW		
T555FULL.00	Harmony First Mile 200 full configuration license	$250.00	Enabling of HSBY protocol and all 6 ports
T555OAM.00	FM200 Ethernet OAM license	$250.00	Enabling of Ethernet OAM (from Rel.2.0)
T555STP.00	FM200 spanning tree license	$250.00	Enabling of RSTP/MSTP (from rel.1.0EP1)
T555LSEC.00	FM200 advanced security license	$250.00	Enabling of encryption functions of secure management protocols (from Rel.2.0)
T55520080.31	FM200 G.8031 License (R2.0 EP1)	$250.00	Enabling G.8031 (from rel. 2.0EP2)
T55520080.32	FM200 G.8032 License (R2.5)	$250.00	Enabling G.8032 (from rel. 2.5)
T555200CE.LP	FM200 CES Linear Protection (R2.0 EP1)	$250.00	Enabling CES linear protection (from rel. 2.0EP1)
	Warranty Options		
T555ISTF2001Y	1 Year First Mile 200 Global Extended Warranty - Purchased in First year	$100.00	
T555ISTF2003Y	3 Year First Mile 200 Global Warranty (2 Year Extension from STD) - Purchased in First year	$200.00	
T555ISTF2005Y	5 Year First Mile 200 Global Warranty (4 Year Extension from STD) - Purchased in First year	$300.00	
T555IARF2001Y	1 Year First Mile 200 Global Advanced replacement (Ships Next Business Day) - Purchased in First year	$100.00	
T555IARF2003Y	3 Year First Mile 200 Global Advanced replacement (Ships Next Business Day) - Incl. Warranty - Purchased in First year	$350.00	
T555IARF2005Y	5 Year First Mile 200 Global Advanced replacement (Ships Next Business Day) - Incl. Warranty - Purchased in First year	$600.00	
T555I24F2001Y	1 Year First Mile 200 Global 24x7 Support - Purchased in First year	$100.00	
T555I24F2003Y	3 Year First Mile 200 Global 24x7 Support - Incl. Warranty - Purchased in First year	$350.00	
T555I24F2005Y	5 Year First Mile 200 Global 24x7 Support - Incl. Warranty - Purchased in First year	$600.00	

Harmony Hub 800

Part Number	Description	List (USD)	Notes	Availability
	Harmony Hub 800 HW			
T555800MB.00	Hub 800 Base System	$1,500.00		Available
T555800MB.01	Hub 800 Base System (Supports powering Harmony Lite)	$1,500.00	New item to differentiate HW for compatibility as of R2.6	R2.6
T555800GBE.00	Hub 800 4xGbE card	$290.00		Available
T555800PWI.00	Hub 800 Power Injector card	$200.00		Available
T555800E1.16	Hub 800 16 x E1 card (MDR68 connector)	$500.00		Available
T555800FB.00	Hub 800 FlexBus card	$350.00		Available
T555800E1P.16	Hub 800 PatchPanel 16E1 RJ45	$150.00	use for 16E1 MDR connector in Main board and 16xE1 card - patch Panel with 16 Rj45 i/f	Available
T555800E1P.17	Hub 800 PatchPanel 16E1 BNC	$300.00	use for 16E1 MDR connector in Main board and 16xE1 card - patch Panel with 16 BNC i/f	Available
T555800E1P.18	Hub 800 PatchPanel 16E1 1.0/2.3	$300.00	use for 16E1 MDR connector in Main board and 16xE1 card - patch Panel with 16 coax 1.0/2.3 i/f	Available
T555800FAN.00	Hub 800 fan unit	$100.00	use as spare	Available
T555800USB.00	Hub 800 USB key	$60.00	Optional / use for local backup/restore	Available
T555800PWK.00	Hub 800 Power connector kit	$10.00	Optional. It is included in Main Board BoM. Order if needed as spare/replacement.	Available
T555800PNL.00	Hub 800 Blank Panel	$10.00	Optional cover for IDU plug-in slots. Included in Main Board BoM. Order as spare/replacement.	Available
T555800GBO.00	4-port GbE SFP optical interface card	$290.00		Available
T555800STM.00	2-port MSC STM-1/4 SFP card	$800.00		Available
T555800GPS.RM	Hub 800 R-GPS Clock card	$370.00	available from release 2.6	R2.6
T555RGTRAN.00	R-GPS antenna	$900.00	available from release 2.6	R2.6
	Harmony Hub 800 Basic Software			
T555800BSW.00	Harmony FPH800 Basic Software	$0.00	*Mandatory item, include enabling of all ports*	Available
	Harmony Hub 800 Software release media			
T555800SW2.00	Harmony Hub 800 SW R2.0 e-media	$0.00	Harmony Hub 800 SW rel 2.0 for e-media delivery through DWI License Server	Available
T555800CD2.00	Harmony Hub 800 SW R2.0 CD	$10.00	Harmony Hub 800 SW rel 2.0 for CD delivery	Available
T555800SE.20	Hub 800 security software package R2.0 on e-media	$0.00	Security software package for e-media delivery through DWI License Server	Available
T555800SC.20	Security software package R2.0 on CD	$10.00	Security software package for CD delivery	Available
T555800SW2.10	Hub 800 SW R2.0EP1 e-media	$0.00	Harmony Hub 800 SW rel 2.0 EP1 for e-media delivery through DWI License Server	Available
T555800CD2.10	Hub 800 SW R2.0EP1 CD	$10.00	Harmony Hub 800 SW rel 2.0 EP1 for CD delivery	Available
T555800SW2.20	Hub 800 SW R2.0EP2 e-media	$0.00	Harmony Hub 800 SW rel 2.0 EP2 for e-media delivery through DWI License Server	Available
T555800CD2.20	Hub 800 SW R2.0EP2 CD	$0.00	Harmony Hub 800 SW rel 2.0 EP2 for CD delivery	Available
T555800SW2.50	Hub 800 R2.5 Basic Software package on e-Media	$0.00	Harmony Hub 800 SW rel 2.5 for e-media delivery through DWI License Server	Available
T555800CD2.50	Hub 800 R2.5 Basic Software package on CD	$10.00	Harmony Hub 800 SW rel 2.5 for CD delivery	Available
T555800SW2.6E	Hub 800 R2.6 SW E1 version on e-Media	$0.00	Harmony Hub 800 SW rel 2.6 E1 version for e-media delivery through DWI License Server	R2.6
T555800CD2.6E	Hub 800 R2.6 SW E1 version on CD	$10.00	Harmony Hub 800 SW rel 2.6 E1 version for CD delivery	R2.6
T555800SW2.6T	Hub 800 R2.6 SW T1 version on e-Media	$0.00	Harmony Hub 800 SW rel 2.6 T1 version for e-media delivery through DWI License Server	R2.6
T555800CD2.6T	Hub 800 R2.6 SW T1 version on CD	$10.00	Harmony Hub 800 SW rel 2.6 T1 version for CD delivery	R2.6
	Harmony Hub 800 Application Software			
T555OAM.80	Hub 800 Ethernet OAM license	$250.00	Enabling of Ethernet OAM	Available
T555STP.80	Hub 800 spanning tree license	$250.00	Enabling of RSTP/MSTP	Available
T555LTOP.80	Hub 800 1588v2 slave license	$500.00	Enabling of 1588v2 slave mode.	Available
T555LSEC.80	Hub 800 advanced security license	$250.00	Enabling of encryption functions of secure management protocols	Available
T555800DIU.00	Hub 800 Software License for Dual IDU	$250.00	available from rel 2.5	Available
T55580080.31	Hub 800 G.8031 License	$250.00	available from rel 2.0EP1	Available
T55580080.32	Hub 800 G.8032 License	$250.00	available from rel 2.5	Available
T555800CE.LP	Hub 800 CES Linear Protection	$250.00	available from rel 2.0EP1	Available
T55580064K.E1	Hub 800 nx64kbps grooming into E1 on MB	$250.00	available from rel 2.0EP2	Available
T555LTOP.BC	Hub 800 1588v2 Boundary Clock License	$250.00	available from release 2.6	R2.6
	Warranty Options			
T555ISTH8001Y	1 Year Harmony Hub 800 Global Extended Warranty - Purchased in First year	$150.00		
T555ISTH8003Y	3 Year Harmony Hub 800 Global Warranty (2 Year Extension from STD) - Purchased in First year	$300.00		
T555ISTH8005Y	5 Year Harmony Hub 800 Global Warranty (4 Year Extension from STD) - Purchased in First year	$450.00		
T555IARH8001Y	1 Year Harmony Hub 800 Global Advanced Replacement (Ships Next Business Day) - Purchased in First year	$150.00		
T555IARH8003Y	3 Year Harmony Hub 800 Global Advanced Replacement (Ships Next Business Day) - Incl. Warranty - Purchased in First year	$525.00		
T555IARH8005Y	5 Year Harmony Hub 800 Global Advanced Replacement (Ships Next Business Day) - Incl. Warranty - Purchased in First year	$900.00		
T555I24H8001Y	1 Year Harmony Hub 800 Global 24x7 Support - Purchased in First year	$150.00		
T555I24H8003Y	3 Year Harmony Hub 800 Global 24x7 Support - Incl. Warranty - Purchased in First year	$525.00		
T555I24H8005Y	5 Year Harmony Hub 800 Global 24x7 Support - Incl. Warranty - Purchased in First year	$900.00		

Accessories

Part Number	Description	List (USD)	Notes
	Radio Accessories		
	Commissioning SW		
T555CTLTU.13	Harmony Commissioning Tool R1.3 (LTU)	$0.00	Harmony Commissioning Tool R1.3 SW License To Use (just invoicing sales item) to be ordered with T555CTCD.13 (CD) or T555CTE.13 (e-media)
T555CTE.13	Harmony Commissioning Tool R1.3 e-media	$0.00	Harmony Commissioning Tool R1.3 e media trough DWI License Server to be mandatory ordered with T555CTLTU.13 (license to use))
T555CTLCD.13	Harmony Commissioning Tool R1.3 CD	$16.00	Harmony Commissioning Tool R1.3 CD to be mandatory ordered with T555CTLTU.13 (license to use))
T555CTLTU.13EP1	Harmony Commissioning Tool R1.3EP1 (LTU)	$0.00	Harmony Commissioning Tool R1.3EP1 SW License To Use (just invoicing sales item) to be ordered with T555CTCD.13EP1 (CD) or T555CTE.13EP1 (e-media)
T555CTE.13EP1	Harmony Commissioning Tool R1.3EP1 e-media	$0.00	Harmony Commissioning Tool R1.3EP1 e media trough DWI License Server to be mandatory ordered with T555CTLTU.13EP1 (license to use))
T555CTCD.13EP1	Harmony Commissioning Tool R1.3EP1 CD	$16.00	Harmony Commissioning Tool R1.3EP1 CD to be mandatory ordered with T555CTLTU.13EP1 (license to use))
T555CTLTU14	Harmony Wiz R1.4 LTU	$0.00	Harmony Wizard R1.4 SW License To Use (just invoicing sales item) to be ordered with T555CTCD.14 (CD) or T555CTE.14 (e-media)
T555CTUP14	Harmony Wiz R1.4 Upg LTU	$0.00	Upgrade to from Comm Tool R1.3/R1.3EP1 to Harmony Wizard R1.4 SW License To Use (just invoicing sales item) to be ordered with T555CTCD.14 (CD) or T555CTE.14 (e-media)
T555CTE.14	Harmony Wiz R1.4 SW	$0.00	Harmony Wizard R1.4 e media trough DWI License Server to be mandatory ordered with T555CTLTU14 (license to use) or T555CTUP14 (upgrade license to use)
T555CTCD.14	Harmony Wiz R1.4 1xCD	$16.00	Harmony Wizard R1.4 CD to be mandatory ordered with T555CTLTU14 (license to use) or T555CTUP14 (upgrade license to use)
	Cables		
T555ETCB.23	Ethernet cable reel CAT 5e 500m	$950.00	IDU-ODU Ethernet Cable. Minimun orderable quantity one reel 500m
T555PSCB.13	Power Supply cable reel 500m	$2,800.00	IDU-ODU Power Supply Cable, required if power Injector is not used. Minimun orderable quantity one reel 500m
CS73199.05	LAN cable CAT6a S/FTP RJ45-RJ45 5m	$14.00	5m Eth cable with RJ45 to connect IDU to Power Injector indoor
T55248.31	Power cable open end, 15m	$85.00	Power Supply cable for Indoor Power Injector (15m) - Order integer quantities - Typical Quote: 5m per power interface
T557OUCB.00	ODU to ODU interconnection cable, 10m	$160.00	Interconnection cables to be used for Frequency diversity, Space diversity, Zero footprint hot stand-by, 10m length
T557OUXPC.00	ODU to ODU interconnection cable, 3m	$105.00	Interconnection cables to be used for XPIC, 3m length
T557OUXPC.15	ODU to ODU interconnection cable, 1,5m	$112.00	Interconnection cables to be used for XPIC, 1.5m length
T557OUETH.05	Harmony Radio to Harmony Radio ETH	$91.00	Pre-assembled Ethernet Cable with Harmony connector at both ends
T557ETFPR.15	Harmony assembled eth cable 15 m	$120.00	Pre-assembled Ethernet cable with Harmony connector at one end and open at the other end, 15m
T557ETFPR.30	Harmony assembled eth cable 30 m	$150.00	Pre-assembled Ethernet cable with Harmony connector at one end and open at the other end, 30m
T557ETFPR.50	Harmony assembled eth cable 50 m	$220.00	Pre-assembled Ethernet cable wiht Harmony connector at one end and open at the other end, 50m
T557ETFPR.75	Harmony assembled eth cable 75 m	$290.00	Pre-assembled Ethernet cable with Harmony connector at one end and open at the other end, 75m
T557ETFPR.00	Harmony assembled eth cable 100 m	$390.00	Pre-assembled Ethernet cable with Harmony connector at one end and open at the other end, 100m
	Connectors		
T555ETAM.08	Harmony connector for Ethernet cable	$13.00	OPTIONAL - order preassembled cables T557ETFPR.xx, one per each Harmony Radio instead
T555PSAM.02	Harmony connector for Power cable	$14.00	Order if Harmony Radio is powered through dedicated -48VDC interface, one for each Harmony Radio
T555ETRJ.08	RJ45 connector for Ethernet cable	$1.70	Order one for each Harmony Radio
	Installation tools		
T555AMCR.00	Crimp tool for Harmony Radio connectors	$900.00	
T555RJTL.00	Crimp tool for RJ45 connector	$70.00	
T555TETL.00	Crimp tool for cable tie	$90.00	
T555GDTL.00	Cable stripper for grounding cable	$150.00	
	Cable accessories		
T555GDOU.06	Grounding cable for Harmony Radio	$15.00	Order 1 for each Harmony Radio ODU/IDU - 3m length
T555GDCB.10	Grounding kit for Eth and PS cables	$16.00	Order 2 for each Eth or PS cables (ODU and IDU sides grounding)In addition: order 1 each 30m cable lenght after first 40m, both for Eth and PS cables
T555CLKT.00	Clamp FIMO for 1 Eth + 1 PS cables	$5.00	OPTIONAL: (in alternative to cable tie) order quantity 1 for 0.5 meter for max 1 IDU/ODU Eth + power supply connections.
T555CLKT.20	Clamp FIMO for 2 Eth + 2 PS cables	$7.70	OPTIONAL: (in alternative to cable tie) order quantity 1 for 0.5 meter for max 2 IDU/ODU Eth + power supply connections.
CS73320.08	Cable tie 7,6*390 black (100 pcs)	$24.00	STANDARD USE: to be used near the ODU, pole diameter up to 100 mm, for bigger diameter use two ties - quantity 10 ties for each Harmony Radio for each cable.
CS73320.04	Cable tie 4,6*200 black (100 pcs)	$6.00	STANDARD USE: to be used for all the cable run, support diameter up to 50mm - quantity 1 tie for 0.5 meter for each cable
T555AMRJ.10	Harmony Radio to RJ45 adapter cable	$14.00	Accessory to be used to test assembled Eth Cable with Harmony Radio connector
	Power injectors		
T555PIDI.04	Power Injector 4 Eth DC indoor	$300.00	Supports up to 4 Harmony Radios. Includes 2 power connectors + grounding cable l=2 meter with terminal lug + rack brackets + RJ45 conn for Alm cable
T555PIDO.02	Dual port outdoor DC power injector	$350.00	Includes mounting kit + grounding cable l=2m with terminal lug and RJ45 connectors for cables
	Repeaters		
T555REPO.01	Ethernet Repeater	$1,300.00	Include 2 RJ45 connectors + grounding cable l=2 meter with terminal lug + ties
	IDUs Accessories		
	Gigabit Ethernet SFP for Harmony FirstMile and HH800		
T555SFMM0.00	SFP opt. 1000Base-SX - 550m	$38.00	
T555SFSM0.10	SFP opt. 1000Base-LX - 10Km	$35.00	
T555SFSM0.40	SFP opt. 1000Base-LH - 40Km	$154.00	
T555SFSM0.70	SFP opt. 1000Base-LH - 80Km	$225.00	
T555SFSM1.20	SFP opt. 1000Base-LH - 120Km	$648.00	
T555SFEL0.00	SFP copper 1000Base-T - 100m	$81.00	
	STM-1 SFP (Hub 800)		
T555SFSTO.15	SFPSTM1/OC-3 15km 1310nm LC	$48.00	
T555SFSTO.40	SFP STM1/OC-3 40km 1310nm LC	$44.00	
T555SFSTO.80	SFP STM1/OC-3 80km 1550nm LC	$103.00	
T555SFPS4O.15	SFP STM-4/OC-12 15km 1310nm LC	$59.00	
T555STM1E.00	SFP STM1/OC-3 Electrical	$133.00	
	Cables		
	Power Cable and Grounding Cable		
T555FMGDK.00	Harmony IDU Grounding Kit	$4.00	*50 cm orounding cable for IDU - alternative to T555GDOU.06*
T555PWRS.00	Power Supply for IDU cable reel 500m	$1,101.00	*Power Supply cable reel 500m for usage with Harmony IDU*
	E1cables		*OPTIONAL (E1 interfaces are standard RJ45 - quote if requested)*
T55249.01	E1 CABLE (RJ48C CONNECTOR)FIU19 4xRJ45 2m (	$138.00	*four cables 15meters each, with one connector in one side. Qty: 1 each 4 E1 ports*
T55252.01	FIU 19 4XRJ45 CONNECTOR KIT	$18.00	*four connectors, use with T55249.01*
	E1 cable reel		*alternative solution to T55249.01 and T55252.01*
T555ETRJ.08	RJ45 connector for Ethernet cable	$1.00	*connector for use with E1 cable reel and Ethernet cable reel*
	Ethernet Cables		*OPTIONAL - offering: quote if requested*
	Ethernet cable reel		*Alternative solution to LAN cables*
T555ECR5.00	GE cooper cat.6 cable reel (500m)	$1,353.00	*GE cooper cat.6 cable reel (500m) for Harmony IDU (not for IDU ODU connection) - Oty: for each access GbE interface 0.01 (=5m) + 2 x connectors (T555ETRJ.08) - Order: integer values*
	Optical Cables		*OPTIONAL - offering: quote if requested - Qty. One for each Optical GbE id*
T555IGEMM.05	MM Fiber Patch Cord 5m	$39.00	*Ethernet Fiber MultiMode cable with LC-LC connector for GE; length=5m*
T555IGEMM.30	MM Fiber Patch Cord 30m	$90.00	*Ethernet Fiber MultiMode cable with LC-LC connector for GE; length=30m*
	75ohm patch panel and cable		
T555BALFR.00	19" frame for patch panel	$35.00	*frame to install patch panel with Balun in 19" rack (1 frame up to two 16E1 patch panels)*
	use with 16E1 connectors		*compatible with A2200 32E1 TIC (AT23132-00-AA-S) and with A-x2xx/FPH Module IMA/CES 16xE1/T1 (AT23316-00-AA-S)*
T555BAL16.01	75ohm patch panel - 1.0/2.3 (16 E1)	$517.00	*patch panel with integrated balun for 16 E1 - coax 1.0/2.3 interface*
T555BAL16.02	75ohm patch panel - BNC (16 E1)	$499.00	*patch panel with integrated balun for 16 E1 - BNC interface*
	use with RJ connectors		*compatible with A2200 8E1 TIC and with A-1200 on board E1 interfaces*
T555BALRJ.01	75ohm patch panel RJ if - 1.0/2.3 (16E1)	$569.00	*patch panel with integrated balun for 16 E1 RJ interfaces - coax 1.0/2.3 interface*
T555BALRJ.02	75ohm patch panel RJ if - BNC (16E1)	$551.00	*patch panel with integrated balun for 16 E1 RJ interfaces - BNC interface*
	PatchCords		*use with FirstMile*
T555RJCOX.01	E1 cable RJ to coax. 1.0/2.3	$12.00	E1/T1 Patch Cord L = 25cm - for conversion of E1 from 120Ohm balanced RJ45 interface to 75Ohm unbalanced coax. 1.0/2.3 female interface
T555RJCOX.02	E1 cable RJ to coax. SMB	$12.00	E1/T1 Patch Cord L = 25cm - for conversion of E1 from 120Ohm balanced RJ45 interface to 75Ohm unbalanced coax. SMB female interface
	Harmony First Mile 200 Installation Material		
T555IFMMK.21	First Mile ETSI/21" mounting kit	$17.00	*Bracket for installation of FirstMile in ETSI/21" rack*
T555IFMMK.19	First Mile 19" mounting kit	$6.00	*Bracket for installation of FirstMile in 19" rack*
T555IFMAF.00	First Mile Alarm Cable for FOC	$26.00	*First Mile Alarm Cable for use in FOC, Flexi Outdoor Case (50cm)*
T555IFMAK.00	First Mile Alarm Connector kit	$14.00	*FirstMile Alarm Connector kit (use with alarm cable reel)*
T555ACRZ.00	First Mile Alarm Cable reel 200m	$451.00	*Alarm Cable reel (use with Alarm connector kit) - 200m - Typical quotation: 0,01 per IDU with alarm connection - Order integer values*
T55248.92	Outdoor Power cable FMe 50cm, D9--molex	$23.00	*Power Supply cable for installation of FirstMile inside FOC*
	Hub 800 Installation Material		
T555IH8MK.00	HH800 rack 21" mounting kit	$17.00	*Bracket for installation of HH800 in ETSI/21" rack*
T555IH8MK19.00	HH800 rack 19" mounting kit	$6.00	*Bracket for installation of HH800 in 19" rack*
T555MDR120.05	16xE1 cable MDR68 -MDR68, 5m, 120ohm	$88.00	*16xE1 cable MDR68 -MDR68, 5m, 120ohm, optional (alternative to patch panel to connect directly to DDF)*
T555MDR75.05	16xE1 cable MDR68 -MDR68, 5m, 75ohm	$195.00	*16xE1 cable MDR68 -MDR68, 5m, 75ohm, optional (alternative to patch panel to connect directly to DDF)*
T555MDR120.15	16xE1 cable MDR68 -MDR68, 15m, 120ohm	$155.00	*16xE1 cable MDR68 -MDR68, 15m, 120ohm, optional (alternative to patch panel to connect directly to DDF)*
T555MDR75.15	16xE1 cable MDR68 -MDR68, 15m, 75ohm	$332.00	*16xE1 cable MDR68 -MDR68, 15m, 75ohm, optional (alternative to patch panel to connect directly to DDF)*
T555MDR120.02	16xE1 cable MDR68-MDR68, 20cm, 120 ohm (FOC)	$56.00	*E1 cable to be ordered in case of IDU installation inside Flexi Outdoor Case, from MDR68 connector on IDU mainboard to MDR68 on patch panel.*
T555MDR120.00	16xE1 cable MDR68-MDR68, 50cm, 120 ohm	$54.00	*E1 cable to be ordered in case of IDU installation inside FlexiOutdoor case. From MDR68 connector on IDU plug-in slot 16xE1 to MDR68 on patch panel.*
T555MDR100.20	16xT1 MDR68-MDR68 cable, 20cm, 100 ohm	$88.00	*T1 cable to be ordered in case of IDU installation inside Flexi Outdoor Case, from MDR68 connector on IDU mainboard to MDR68 on patch panel.*
T555MDR100.50	16xT1 MDR68-MDR68 cable, 50cm, 100 ohm	$95.00	*T1 cable to be ordered in case of IDU installation inside FlexiOutdoor case. From MDR68 connector on IDU plug-in slot 16xT1 to MDR68 on patch panel.*
T55256.02	IDU/ODU Cable Reel, 500m	$832.00	*FlexBus cable, for FlexBus card.*
T55255.07	IDU/ODU TNC-connector, male	$8.00	*FlexBus connector, straight type*
T55255.08	IDU/ODU TNC-connector, male angle	$8.00	*FlexBus connector, right angle type*
T555GTRK.00	GPS antenna mounting kit	$120.00	*Mounting kit for installation of R-GPS antenna*
T555RGTRCA0.05	R-GPS cable 5m	$100.00	*Cable to connect R-GPS antenna and R-GPS card. 5 meters length*
T555RGTRCA0.30	R-GPS cable 30m	$160.00	*Cable to connect R-GPS antenna and R-GPS card. 30 meters length*
T555RGTRCA1.00	R-GPS cable 100m	$320.00	*Cable to connect R-GPS antenna and R-GPS card. 100 meters length*
	Dual-IDU Accessories		
T555800SHR.00	Dual IDU Shroud	$111.00	*available from rel 2.5*
T555800DPP.00	Dual-IDU Protection Panel	$243.00	*available from rel 2.5*
T555IDUDPI.00	Dual-IDU Power Injector	$260.00	*available from rel 2.5*
T555800SMB.21	HH800 Dual-IDU Shroud 21" Mounting Kit	$17.00	*available from rel 2.5*
T555IDUSPL.SM	Optical Splitter Module for Dual IDU Protection Panel	$247.00	This item is optionally used as a plug-in module with Dual-IDU protection panel, providing optical Y-cable function. It supports two GE optical ports.
T555IDUSPL.MM	Optical Splitter Module for Dual IDU Protection Panel	$228.00	Same as above.
T555200SPL.SM	Standalone Optical Splitter (single mode)	$212.00	Used as standalone optical Y-cable (without protection patch panel), to connect a customer device to two IDUs.
T555200SPL.MM	Standalone Optical Splitter (multi mode)	$232.00	Same as above.

T557RS1011.00	Separate mounting for Harmony Radio (WG direct to ODU or 1+1 HSBy frame)	$220.00	Order 1 per ODU or remote 1+1 frame
T557RS1011.18-A	Separate Mounting Kit, w/Waveguide Transition - 18-26 GHz	$300.00	Order 1 per ODU or remote 1+1 frame where quick ODU replacement is required
T555WG08.18	18-26 GHz flex.WG. (diam. upto 80cm)	$400.00	Order 1 off per supporting frame in case of remote mounting. It fits to antenna diameters up to 80 cm.
T555WG24.18	18-26 GHz flex.WG.(diam.from 120 to 240cm)	$450.00	Order 1 off per supporting frame in case of remote mounting. it fits to antenna diameters from 120 cm up to 240 cm.
	28GHz INTEGRATED MOUNTING		
T557IU11.28	28 GHz frame back to back 1+1 HSBy UNB	$360.00	Order in case of hot stand-by configuration integrated on single antenna (coupler 1:10 db).
T557IB11.28	28 GHz frame back to back 1+1 HSBy BAL	$360.00	Order in case of hot stand-by configuration integrated on single antenna (coupler 3 db).
	28GHz REMOTE MOUNTING		
T557RS1011.00	Separate mounting for Harmony Radio (WG direct to ODU or 1+1 HSBy frame)	$220.00	Order 1 per ODU or remote 1+1 frame
T557RS1011.28-A	Separate Mounting Kit, w/Waveguide Transition - 28-38 GHz	$300.00	Order 1 per ODU or remote 1+1 frame where quick ODU replacement is required
T555WG08.28	28-38 GHz flex.WG. (diam. upto 80cm)	$400.00	Order 1 off per supporting frame in case of remote mounting. It fits to antenna diameters up to 80 cm.
T555WG24.28	28-38 GHz flex.WG.(diam.from 120 to 240cm)	$450.00	Order 1 off per supporting frame in case of remote mounting. it fits to antenna diameters from 120 cm up to 240 cm.
	32GHz INTEGRATED MOUNTING		
T557IU11.32	32 GHz frame back to back 1+1 HSBy UNB	$360.00	Order in case of hot stand-by configuration integrated on single antenna (coupler 1:10 db).
T557IB11.32	32 GHz frame back to back 1+1 HSBy BAL	$360.00	Order in case of hot stand-by configuration integrated on single antenna (coupler 3 db).
	32GHz REMOTE MOUNTING		
T557RS1011.00	Separate mounting for Harmony Radio (WG direct to ODU or 1+1 HSBy frame)	$220.00	Order 1 per ODU or remote 1+1 frame
T557RS1011.28-A	Separate Mounting Kit, w/Waveguide Transition - 28-38 GHz	$300.00	Order 1 per ODU or remote 1+1 frame where quick ODU replacement is required
T555WG08.28	28-38 GHz flex.WG. (diam. upto 80cm)	$400.00	Order 1 off per supporting frame in case of remote mounting. It fits to antenna diameters up to 80 cm.
T555WG24.28	28-38 GHz flex.WG.(diam.from 120 to 240cm)	$450.00	Order 1 off per supporting frame in case of remote mounting. it fits to antenna diameters from 120 cm up to 240 cm.
	38GHz INTEGRATED MOUNTING		
T557IU11.38	38 GHz frame back to back 1+1 HSBy UNB	$360.00	Order in case of hot stand-by configuration integrated on single antenna (coupler 1:10 db).
T557IB11.38	38 GHz frame back to back 1+1 HSBy BAL	$360.00	Order in case of hot stand-by configuration integrated on single antenna (coupler 3 db).
	38GHz REMOTE MOUNTING		
T557RS1011.00	Separate mounting for Harmony Radio (WG direct to ODU or 1+1 HSBy frame)	$220.00	Order 1 per ODU or remote 1+1 frame
T557RS1011.28-A	Separate Mounting Kit, w/Waveguide Transition - 28-38 GHz	$300.00	Order 1 per ODU or remote 1+1 frame where quick ODU replacement is required
T555WG08.28	28-38 GHz flex.WG. (diam. upto 80cm)	$400.00	Order 1 off per supporting frame in case of remote mounting. It fits to antenna diameters up to 80 cm.
T555WG24.28	28-38 GHz flex.WG.(diam.from 120 to 240cm)	$450.00	Order 1 off per supporting frame in case of remote mounting. it fits to antenna diameters from 120 cm up to 240 cm.
	42GHz INTEGRATED MOUNTING		
T557IU11.42	42 GHz frame back to back 1+1 HSBy UNB	$360.00	Order in case of hot stand-by configuration integrated on single antenna (coupler 1:10 db).
T557IB11.42	42 GHz frame back to back 1+1 HSBy BAL	$360.00	Order in case of hot stand-by configuration integrated on single antenna (coupler 3 db).
	6.4 Antenna Accessories		
	ANDREW ANTENNA UPGRADE KITS		
T555AUPGR.15	15GHz Andrew Antenna upg. Kit	$225.00	Order in case of upgrade of installed Andrew antenna with integrated Ceragon, NEC, SIAE, Aviat interface to integrated SRAL XD interface
T555AUPGR.18	18GHz Andrew Antenna upg. Kit	$225.00	Order in case of upgrade of installed Andrew antenna with integrated Ceragon, NEC, SIAE, Aviat interface to integrated SRAL XD interface
T557OMTA.06	OMT for Andrew antenna 6 GHz	$1,150.00	Order in case of upgrade of installed Andrew integrated single pol antenna with SRAL XD interface to a dual pol integrated antenna with SRAL XD interface
T557OMTA.07	OMT for Andrew antenna 7-8 GHz	$1,150.00	Order in case of upgrade of installed Andrew integrated single pol antenna with SRAL XD interface to a dual pol integrated antenna with SRAL XD interface
T557OMTA.11	OMT for Andrew antenna 11 GHz	$1,150.00	Order in case of upgrade of installed Andrew integrated single pol antenna with SRAL XD interface to a dual pol integrated antenna with SRAL XD interface
T557OMTA.13	OMT for Andrew antenna 13 GHz	$1,150.00	Order in case of upgrade of installed Andrew integrated single pol antenna with SRAL XD interface to a dual pol integrated antenna with SRAL XD interface
T557OMTA.15	OMT for Andrew antenna 15 GHz	$1,150.00	Order in case of upgrade of installed Andrew integrated single pol antenna with SRAL XD interface to a dual pol integrated antenna with SRAL XD interface
T557OMTA.18	OMT for Andrew antenna 18 GHz	$1,150.00	Order in case of upgrade of installed Andrew integrated single pol antenna with SRAL XD interface to a dual pol integrated antenna with SRAL XD interface
T557OMTA.23	OMT for Andrew antenna 23 GHz	$1,150.00	Order in case of upgrade of installed Andrew integrated single pol antenna with SRAL XD interface to a dual pol integrated antenna with SRAL XD interface
T557OMTA.26	OMT for Andrew antenna 26 GHz	$1,150.00	Order in case of upgrade of installed Andrew integrated single pol antenna with SRAL XD interface to a dual pol integrated antenna with SRAL XD interface
T557OMTA.38	OMT for Andrew antenna 38 GHz	$1,150.00	Order in case of upgrade of installed Andrew integrated single pol antenna with SRAL XD interface to a dual pol integrated antenna with SRAL XD interface
	Antenna Adapters		
T555ADFH.07	Antenna Adapter XD to FH 7-8GHz	$45.00	7-8GHz Adapter to Antennas compatible with FlexiHopper
T555ADFH.13	Antenna Adapter XD to FH 13GHz	$45.00	13GHz Adapter to Antennas compatible with FlexiHopper
T555ADFH.15	Antenna Adapter XD to FH 15GHz	$45.00	15GHz Adapter to Antennas compatible with FlexiHopper
T555ADFH.18	Antenna Adapter XD to FH 18-26GHz	$45.00	18-26GHz Adapter to Antennas compatible with FlexiHopper
T555ADFH.28	Antenna Adapter XD to FH 28GHz	$45.00	28GHz Adapter to Antennas compatible with FlexiHopper
T555ADFH.32	Antenna Adapter XD to FH 32-38GHz	$45.00	32-38GHz Adapter to Antennas compatible with FlexiHopper
	Antenna Transition Plates		
T557ATP15C.00	Commscope Antenna Adapter IT1, 15 GHz	$300.00	
T557ATP07C.00	Commscope Antenna Adapter IT1, 7 GHz	$300.00	

Harmony Radio Lite

Part Number	Description	List (USD)	Notes
Harmony Radio Lite ODU's			
PoE+ Variants			**Priced per End**
T561LT5G190.01	5.x GHz Harmony Radio Lite with PoE+ and integrated 190mm dual-pol flat antenna	$ 1,500.00	5.x GHz - includes integrated 190mm dual-polarized antenna and pole/wall mounting kit
T561LT5G305.01	5.x GHz Harmony Radio Lite with PoE+ and integrated 305mm dual-pol flat antenna	$ 1,600.00	5.x GHz - includes integrated 305mm dual-polarized antenna and pole/wall mounting kit.
T561LT5GSAN.01	5.x GHz Harmony Radio Lite with PoE+ and box cover for external antenna	$ 1,400.00	5.x GHz ODU w/o integrated antenna; connectorized for external antenna (2xN-type); to be used for higher system gain or for future spatial diversity support
T561LT3G190.01	3.x GHz Harmony Radio Lite with PoE+ and integrated 190mm dual-pol flat antenna	$ 1,500.00	3.x GHz - includes integrated 190mm dual-polarized antenna and pole/wall mounting kit.
T561LT3G305.01	3.x GHz Harmony Radio Lite with PoE+ and integrated 305mm dual-pol flat antenna	$ 1,600.00	3.x GHz - includes integrated 305mm dual-polarized antenna and pole/wall mounting kit.
T561LT3GSAN.01	3.x GHz Harmony Radio Lite with PoE+ and box cover for external antenna	$ 1,400.00	3.x GHz ODU w/o integrated antenna; connectorized for external antenna (2xN-type); to be used for higher system gain or for future spatial diversity support.
T561LT2G190.01	2.57 - 2.62 GHz Harmony Radio Lite with PoE+ and integrated 190mm dual-pol flat antenna	$ 1,500.00	2.x GHz - includes integrated 190mm dual-polarized antenna and pole/wall mounting kit.
T561LT2G305.01	2.25 - 2.62 GHz Harmony Radio Lite with PoE+ and integrated 305mm dual-pol flat antenna	$ 1,600.00	2.x GHz - includes integrated 305mm dual-polarized antenna and pole/wall mounting kit.
T561LT2GSAN.01	2.57 - 2.62 GHz Harmony Radio Lite with PoE+ and box cover for external antenna	$ 1,400.00	2.x GHz ODU w/o integrated antenna; connectorized for external antenna (2xN-type); to be used for higher system gain or for future spatial diversity support.
P+E (Proprietary) Variants			
T561LT5G190.00	5.x GHz Harmony Radio Lite with P+E and integrated 190mm dual-pol flat antenna	$ 1,500.00	5.x GHz - includes integrated 190mm dual-polarized antenna and pole/wall mounting kit
T561LT5G305.00	5.x GHz Harmony Radio Lite with P+E and integrated 305mm dual-pol flat antenna	$ 1,600.00	5.x GHz - includes integrated 305mm dual-polarized antenna and pole/wall mounting kit.
T561LT5GSAN.00	5.x GHz Harmony Radio Lite with P+E and box cover for external antenna	$ 1,400.00	5.x GHz ODU w/o integrated antenna; connectorized for external antenna (2xN-type); to be used for higher system gain or for future spatial diversity support
T561LT3G190.00	3.x GHz Harmony Radio Lite with P+E and integrated 190mm dual-pol flat antenna	$ 1,500.00	3.x GHz - includes integrated 190mm dual-polarized antenna and pole/wall mounting kit.
T561LT3G305.00	3.x GHz Harmony Radio Lite with P+E and integrated 305mm dual-pol flat antenna	$ 1,600.00	3.x GHz - includes integrated 305mm dual-polarized antenna and pole/wall mounting kit.
T561LT3GSAN.00	3.x GHz Harmony Radio Lite with P+E and box cover for external antenna	$ 1,400.00	3.x GHz ODU w/o integrated antenna; connectorized for external antenna (2xN-type); to be used for higher system gain or for future spatial diversity support.
T561LT2G190.00	2.57 - 2.62 GHz Harmony Radio Lite with P+E and integrated 190mm dual-pol flat antenna	$ 1,500.00	2.x GHz - includes integrated 190mm dual-polarized antenna and pole/wall mounting kit.
T561LT2G305.00	2.57 - 2.62 GHz Harmony Radio Lite with P+E and integrated 305mm dual-pol flat antenna	$ 1,600.00	2.x GHz - includes integrated 305mm dual-polarized antenna and pole/wall mounting kit.
T561LT2GSAN.00	2.57 - 2.62 GHz Harmony Radio Lite with P+E and box cover for external antenna	$ 1,400.00	2.x GHz ODU w/o integrated antenna; connectorized for external antenna (2xN-type); to be used for higher system gain or for future spatial diversity support.
Harmony Radio Lite External Antennas			
T561FA5G305.DP	305mm external dual-pol flat antenna for 5.x GHz Lite	$ 290.00	
T561FA3G305.DP	305mm external dual-pol flat antenna for 3.x GHz Lite	$ 290.00	
T561FA2G305.DP	305mm external dual-pol flat antenna for 2.x GHz Lite	$ 290.00	
T561FA5G371.DP	371mm external dual-pol flat antenna for 5.x GHz Lite	$ 600.00	
T561FA3G371.DP	371mm external dual-pol flat antenna for 3.x GHz Lite	$ 610.00	
T561FA2G371.DP	371mm external dual-pol flat antenna for 2.x GHz Lite	$ 600.00	
T561DA5GED060C.00	2' / 60cm, 5.25-5.85 GHz External Dual-Polarized Antenna	$ 1,700.00	
T561DA5GED090C.00	3' / 90cm, 5.25-5.85 GHz External Dual-Polarized Antenna	$ 2,150.00	
T561DA5GED120C.00	4' / 120cm, 5.25-5.85 GHz External Dual-Polarized Antenna	$ 3,250.00	
T561DA5GED180C.00	6' / 180cm, 5.25-5.85 GHz External Dual-Polarized Antenna	$ 5,500.00	
Harmony Radio Lite Power Injectors			
T561PIDCOD.01	Single-port outdoor power injector with DC input	$ 300.00	To be used when Harmony Radio Lite is connected to 3rd party BTS or other power source; includes mounting kit + 2m ground cable with terminal lug. Can power up to 2 x Harmony Radio Lite.
T555PIDO.02	Dual port outdoor DC power injector	$ 350.00	To be used when Harmony Radio Lite is connected to 3rd party BTS or other power source; includes mounting kit + 2m ground cable with terminal lug. Can power up to 2 x Harmony Radio Lite.
T561PIACID.11	Single-port indoor PoE+ power injector with AC input*	$ 140.00	To be used when Harmony Radio Lite is connected to 3rd party BTS or other power source; includes ground cable
AC Power Cable for Power Injector*			
T561CBPWACUS.15	150cm AC power cord, US	$ 10.00	To be ordered when using the indoor PoE+ power injector with AC input (T561PIACID.11)
T561CBPWACEU.15	150cm AC power cord, Europe	$ 10.00	To be ordered when using the indoor PoE+ power injector with AC input (T561PIACID.11)
T561CBPWACJP.15	150cm AC power cord, Japan	$ 10.00	To be ordered when using the indoor PoE+ power injector with AC input (T561PIACID.11)
T561CBPWACUK.15	150cm AC power cord, UK	$ 10.00	To be ordered when using the indoor PoE+ power injector with AC input (T561PIACID.11)
T561CBPWACSW.15	150cm AC power cord, Swiss	$ 10.00	To be ordered when using the indoor PoE+ power injector with AC input (T561PIACID.11)
T561CBPWACDM.15	150cm AC power cord, Denmark	$ 10.00	To be ordered when using the indoor PoE+ power injector with AC input (T561PIACID.11)
T561CBPWACIL.15	150cm AC power cord, Israel	$ 10.00	To be ordered when using the indoor PoE+ power injector with AC input (T561PIACID.11)
T561CBPWACIN.15	150cm AC power cord, India	$ 10.00	To be ordered when using the indoor PoE+ power injector with AC input (T561PIACID.11)
Accessories			
T561PAEISO.00	P+E Isolator to be used on Ethernet Port #2	$ 15.00	
Mounting Items			
T561MKLTALL.00	Lite and external antenna mounting kit	$ 50.00	Wall/pole mount; to be used as a spare - mounting kit is included with ODU
T561MKPIALL.00	Power Injector mounting kit	$ 50.00	Wall/pole mount; to be used as a spare - mounting kit is included with Power Injector
T561INTBNDTL.00	Steel strapping tool	$ 325.00	
T561INTBND030.00	30m / 100', 3/4" stainless steel strap	$ 650.00	
T561INTBCKL100.00	Steel strap locking buckle, 100pcs	$ 450.00	
T561MKLTPOL.HC	Hose clamp for the pole with diameter(40~127mm)	$ 8.00	
Harmony Radio Lite Software			
T561SWB010.00	Basic Lite software R1.0	$ 100.00	Includes a 50 Mbps aggregate license
T561SWB010.EM	Basic Lite software R1.0 on e-media	-	
T561SWB010.CD	Basic Lite software R1.0 on CDROM	$ 10.00	
T561SWB011.00	Basic Lite software R1.1	$ 100.00	Includes a 50 Mbps aggregate license
T561SWB011.EM	Basic Lite software R1.1 on e-media	-	
T561SWB011.CD	Basic Lite software R1.1 on CDROM	$ 10.00	

T561SWB012.00	Basic Lite software R1.2	$ 100.00	Includes a 50 Mbps aggregate license
T561SWB012.EM	Basic Lite software R1.2 on e-media	-	
T561SWB012.CD	Basic Lite software R1.2 on CDROM	$ 10.00	
T561SWB013.00	Basic Lite software R1.3	$ 100.00	Includes a 50 Mbps aggregate license
T561SWB013.EM	Basic Lite software R1.3 on e-media	-	
T561SWB013.CD	Basic Lite software R1.3 on CDROM	$ 10.00	
	0.559055118		
Country Code License			
T561LKCC.01	License for IC standard (Country Code Canada)	$ -	For regulatory purposes - required item per ODU
T561LKCC.02	License for ICASA standard (Country Code South Africa)	$ -	For regulatory purposes - required item per ODU
T561LKCC.03	License for ANATEL standard (Country Code Brazil)	$ -	For regulatory purposes - required item per ODU
T561LKCC.04	License for TELETEC standard (Country Code Japan)	$ -	For regulatory purposes - required item per ODU
T561LKCC.05	License for ETSI standard (Country Code Europe)	$ -	For regulatory purposes - required item per ODU
T561LKCC.06	License for FCC standard (Country Code US)	$ -	For regulatory purposes - required item per ODU
T561LKCC.07	License for RALI standard (Country Code Australia)	$ -	For regulatory purposes - required item per ODU
T561LKCC.08	License for the regulations of the Rest of the World	$ -	For regulatory purposes - required item per ODU
Security Software Package			
T561SWSEC.EM	Security software package on e-media (security license required)	-	
T561SWSEC.CD	Security software package on CDROM (security license required)	$ 10.00	
LITE Software Licenses			
T561LKCP100.00	License for capacity upgrade from basic to 100Mbps	$ 200.00	
T561LKCPFUL.00	License for capacity upgrade from basic to full capacity	$ 400.00	
T561LKCPUPG.00	License for capacity upgrade from 100Mbps to full capacity	$ 200.00	
T561LKFEOAM.00	License for Ethernet OAM	$ 200.00	Please see roadmap for availability
T561LKFESTS.00	License for Site Synchronization	$ 200.00	Please see roadmap for availability
T561LKFESYN.00	License for 1588v2 TC clock synchronization	$ 200.00	Please see roadmap for availability
T561LKFESEC.00	License for security (SNMPv3, SSH and SFTP)	$ 200.00	Please see roadmap for availability
T561LKFERNG.00	License for Radio Ring	$ 200.00	Please see roadmap for availability
LITE Ethernet Cables			
T561CBETPRE.01	Pre-assembled 1m Outdoor Ethernet cable; RJ45	$ 40.00	
T561CBETPRE.02	Pre-assembled 2m Outdoor Ethernet cable; RJ45	$ 45.00	
T561CBETPRE.05	Pre-assembled 5m Outdoor Ethernet cable; RJ45	$ 50.00	
T561CBETPRE.10	Pre-assembled 10m Outdoor Ethernet cable; RJ45	$ 70.00	
T561CBETPRE.30	Pre-assembled 30m Outdoor Ethernet cable; RJ45	$ 130.00	
T561CBETPRE.50	Pre-assembled 50m Outdoor Ethernet cable; RJ45	$ 190.00	
T561CBETPRE.70	Pre-assembled 70m Outdoor Ethernet cable; RJ45	$ 260.00	
T561CBETPRE.90	Pre-assembled 90m Outdoor Ethernet cable; RJ45	$ 320.00	
T561CBETPRE.00	Pre-assembled 0.12m Ethernet cable for Lite internal use (spare)	$ 5.00	Spare; internal part used for different power over Ethernet configuration
LITE Antenna Cables			
T561CBCXANT.01	Pre-assembled 1m Antenna cable for sub-6GHz with connectors	$ 50.00	
T561CBCXANT.02	Pre-assembled 2m Antenna cable for sub-6GHz with connectors	$ 60.00	
T561CBCXANT.03	Pre-assembled 3m Antenna cable for sub-6GHz with connectors	$ 70.00	
T561CBCXANT.04	Pre-assembled 4m Antenna cable for sub-6GHz with connectors	$ 80.00	
T561CBCXANT.05	Pre-assembled 5m Antenna cable for sub-6GHz with connectors	$ 90.00	
Grounding Cables			
T561CBGD06.01	1m Grounding Cable	$ 10.00	Order as a spare to the included cable
T561CBGD06.03	3m Grounding Cable	$ 20.00	Order as an option for longer length
T561CBGD06.05	5m Grounding Cable	$ 30.00	Order as an option for longer length
T561CBGD06.1K	300m / 1000ft Ground Cable Reel	$ 1,600.00	Order as an option for longer length
Power Cable Reel for Power Injectors			
T561CBPWREL.1k	1000ft. power cable reel for power injector	$ 1,000.00	
Warranty Options			
T555ISTHRLT1Y	1 Year Harmony Radio Lite Global Extended Warranty - Purchased in First year	$150.00	
T555ISTHRLT3Y	3 Year Harmony Radio Lite Global Warranty (2 Year Extension from STD) - Purchased in First year	$300.00	
T555ISTHRLT5Y	5 Year Harmony Radio Lite Global Warranty (4 Year Extension from STD) - Purchased in First year	$450.00	
T555IARHRLT1Y	1 Year Harmony Radio Lite Global Advanced Replacement (Ships Next Business Day) - Purchased in First year	$150.00	
T555IARHRLT3Y	3 Year Harmony Radio Lite Global Advanced Replacement (Ships Next Business Day) - Incl. Warranty - Purchased in First year	$525.00	
T555IARHRLT5Y	5 Year Harmony Radio Lite Global Advanced Replacement (Ships Next Business Day) - Incl. Warranty - Purchased in First year	$900.00	
T555I24HRLT1Y	1 Year Harmony Radio Lite Global 24x7 Support - Purchased in First year	$150.00	
T555I24HRLT3Y	3 Year Harmony Radio Lite Global 24x7 Support - Incl. Warranty - Purchased in First year	$525.00	
T555I24HRLT5Y	5 Year Harmony Radio Lite Global 24x7 Support - Incl. Warranty - Purchased in First year	$900.00	

Harmony Eband

Part Number	Description	List (USD)	Notes
Radio			
T559RL80BW0500.00	Horizon Eband Low radio (71-86GHz), 100Mbps licensed capacity, 2 x 10/100/1000bT + 2 x SFP; No antenna	$ 4,500.00	
T559RH80BW0500.00	Horizon Eband High radio (71-86GHz), 100Mbps licensed capacity, 2 x 10/100/1000bT + 2 x SFP; No antenna	$ 4,500.00	
Software and Feature Licenses			
T559SWB010.00	Basic Software R1.0	$ -	Per End
T559LKFEAAM.00	Adaptive Modulation	$ 200.00	Per End
T559LKFEUNI.00	Ethernet UNI (ELINE/ELAN MEF service)	$ 200.00	Per End
T559LKFEOAM.00	802.1ag, 802.3ah, Y.1731	$ 100.00	Per End
T559LKFEEPM.00	Enhanced Performance Monitoring	$ 100.00	Per End
T559LKFESYN.00	1588v2 Transparent Clock	$ 300.00	Per End
T559LKFEHSB.00	Hot-Standby	$ 100.00	Per End
T559LKFEMIM.00	MIMO for Extended Reach	$ 1,250.00	Per End
T559LKFEBAC.00	Bandwidth Accelerator	$ 1,250.00	Per End
T559LKFESEC.00	Security Package	$ 100.00	Per End
T559LKFE2BW.00	2+0 Support	$ 100.00	Per End
T559LKFEPKF.00	Packet Fragmentation	$ 100.00	Per End
Capacity Licenses			
T559LKCP0500.00	100Mbps to 500Mbps capacity upgrade (full duplex, per end)	$ 625.00	Per End
T559LKCP1000.00	500Mbps to 1Gbps capacity upgrade (full duplex, per end)	$ 625.00	Per End
T559LKCP1500.00	1Gbps to 1.5Gbps capacity upgrade (full duplex, per end)	$ 625.00	Per End
T559LKCP2000.00	1.5Gbps to 2Gbps capacity upgrade (full duplex, per end)	$ 625.00	Per End
T559LKCP2500.00	2Gbps to 2.5Gbps cap upgrade (full duplex, per end)	$ 625.00	Per End
T559LKCPFULL.00	100 Mbps to 2.5 Gbps capacity upgrade (full duplex, per end)	$ 3,000.00	Per End
Installation Accessories			
T555ETRJ.08	RJ45 connector for Ethernet cable	$ 1.70	
T555SFSM0.10	SFP opt. 1000Base-LX - 10Km	$ 35.00	
T555SFMM0.00	SFP opt. 1000Base-SX - 550m	$ 38.00	
T559INMKALL.00	Horizon Eband and antenna mounting kit	$ 150.00	
T555PIDO.02	Power Injector 2 Eth DC outdoor	$ 350.00	
Cables			
T561CBGD06.03	Grounding cable, 3m, M6 lug (spare)	$ 25.00	
T555ETCB.23	Ethernet cable reel CAT 5e 500m	$ 950.00	
T555PSCB.13	Power Supply cable reel 500m	$ 2,800.00	
T559CBSMLC.50	Outdoor 50m SM fibre cable with separable LC connectors	$ 450.00	

T559CBMMLC.50	Outdoor 50m MM fibre cable with separable LC connectors	$	450.00
T561CBETPRE.01	Pre-assembled 1m Outdoor Ethernet cable	$	40.00
T561CBETPRE.02	Pre-assembled 2m Outdoor Ethernet cable	$	45.00
T561CBETPRE.05	Pre-assembled 5m Outdoor Ethernet cable	$	50.00
T561CBETPRE.10	Pre-assembled 10m Outdoor Ethernet cable	$	70.00
T561CBETPRE.30	Pre-assembled 30m Outdoor Ethernet cable	$	130.00
T561CBETPRE.50	Pre-assembled 50m Outdoor Ethernet cable	$	190.00
T561CBETPRE.70	Pre-assembled 70m Outdoor Ethernet cable	$	260.00
T561CBETPRE.90	Pre-assembled 90m Outdoor Ethernet cable	$	320.00
T559CBOD.1M5	ODU to ODU interconnection cable, 1.5m	$	50.00

Antennas

T559FA80GCS020H.00	20cm Flat Panel 80 GHz SP Antenna; Direct Mount	$	500.00
T559FA80GCS028H.00	28cm Flat Panel 80 GHz SP Antenna; Direct Mount	$	1,000.00
T559DA80GCS030C.00	30cm Parabolic 80 GHz SP Antenna; Clip Mount	$	1,000.00
T559DA80GCS060C.00	60cm Parabolic 80 GHz SP Antenna; Clip Mount	$	1,250.00

Warranty Options

T559ISTEBND1Y	1 Year Harmony Eband Global Extended Warranty - Purchased in First year	$	450.00
T559ISTEBND3Y	3 Year Harmony Eband Global Warranty (2 Year Extension from STD) - Purchased in First year	$	900.00
T559ISTEBND5Y	5 Year Harmony Eband Global Warranty (4 Year Extension from STD) - Purchased in First year	$	1,350.00
T559IAREBND1Y	1 Year Harmony Eband Global Advanced Replacement (Ships Next Business Day) - Purchased in First year	$	450.00
T559IAREBND3Y	3 Year Harmony Eband Global Advanced Replacement (Ships Next Business Day) - Incl. Warranty - Purchased in First year	$	1,575.00
T559IAREBND5Y	5 Year Harmony Eband Global Advanced Replacement (Ships Next Business Day) - Incl. Warranty - Purchased in First year	$	2,700.00
T559I24EBND1Y	1 Year Harmony Eband Global 24x7 Support - Purchased in First year	$	450.00
T559I24EBND3Y	3 Year Harmony Eband Global 24x7 Support - Incl. Warranty - Purchased in First year	$	1,575.00
T559I24EBND5Y	5 Year Harmony Eband Global 24x7 Support - Incl. Warranty - Purchased in First year	$	2,700.00

Raytheon

JPS Communications 2013-2014 Price List

Rev: 7

2013-2014

Effective February 15, 2014

Prices are FOB/FCA Raleigh, North Carolina, USA and include a standard accessory kit consisting of an operation and maintenance manual and, where applicable, AC line cord, spare fuses, and mating multi-pin connectors. Raytheon JPS Communications' commercial products are warranted for 15 months from date of shipment. The availability of all commercial items in stock to 120 days. Spare parts kits, spare PC board kits, depot spare kits, and replacable parts kits are available for most Raytheon JPS Communications' commercial products. Call or e-mail for a quote.

	Part Number	Price	ECCN #
ACU-1000 Modular Intelligent Interconnect System			
ACU-1000 Required Equipment Bundle: Rack Mount, AC/DC Powered complete with ACU Controller Software, includes the ACU-1000 Card Cage, PSM-1A Poweer Supply Module, CPM-4 Control Processor Module and HSP-2A Handset Speaker Module	5961-220000	$9,269	EAR99
ACU-1000 Interface Modules			
DSP-2 Radio/4-Wire Interface Module	5961-818000	$ 1,517	EAR99
DSP-3 Radio / 4-Wire Interface Module with Dispatch	5090-100000	$ 2,460	EAR99
PSTN-2 Public Switched Telephone Interface Module	5050-300000	$ 1,517	EAR99
LP-2 Local Phone Set Module	5070-400000	$ 1,517	EAR99
Additional ACU-1000 Modules and Options			
STU-III Phone Option (use with DSP-2 for STU-III interface)	5961-295000	$ 786	EAR99
Battery Backup Option	5961-296000	$ 258	EAR99
Kenwood Channel Change Option (Kenwood X80 series radios)	5961-299008-0	$ 865	EAR99
Kenwood Channel Change Option (Kenwood X150/X180 series radios)	5961-299008-0	$ 730	EAR99
Expansion Option Cable and number kit	5961-200160	$ 315	EAR99
LE-10 4-Wire Audio Remote with Handset & Speaker	5961-299000	$ 798	EAR99
LE-20 4-Wire Audio Remote with Desktop Mic and Speaker	5961-299001	$ 1,135	EAR99
LE-30 Remote Station	5961-299002	$ 1,157	EAR99
LE-40 Remote Speaker Microphone Assy	5961-299005	$ 1,303	EAR99
Extended Rear Back Panel Front Mount	5050-110000	$ 1,674	EAR99
Extended Rear Back Panel Rear Panel	5050-120000	$ 1,674	EAR99
ACU Controller Software & Manual Kit (available on the website)	5961-298100		EAR99
Extender Card Assembly	5951-707000	$ 79	EAR99
Null Modem Cable-6 ft.	0313-080100	$ 34	
Pelican Case Option Kit*	5970-800010	$ 1,045	
Handset Black	0150-200000	$ 124	
Coil Cord	0313-060000	$ 34	

Products include a standard accessory kit consisting of an operation and maintenance manual and, where applicable, AC line cord, spare fuses, and mating multi-pin connectors

	Part Number		Price	ECCN#
Spare Modules for Required Equipment Bundle				
ACU-1000 Chassis	5961-200000	$	3,977	EAR99
PSM-1A Power Supply Module	5951-813000	$	1,168	EAR99
CPM-4 Control Processor Module	5961-213000	$	1,730	EAR99
HSP-2A Handset Speaker Module	5040-602200	$	2,416	EAR99
ACU-1000 Spare Kit includes;				
All components necessary to address field failure	5961-251000	$	4,239	

The kit is packaged in a Pelican Case and includes a handset/coil cable, ACU Accessory Kit, ACU Controller CD and Manual, CAT-5 cable and CAT-5 Crossover Cable, RS-232 cable, PSM-1A Power Supply, CPM-4 Command Processor and a DSP-2 module

ACU-2000 IP Modular SIP VoIP Interconnect System	5961-230000	$	12,353	5A991

Rack Mount, AC/DC Powered, complete with ACU Controller Software ACU-2000 IP Required Equipment Bundle, Includes the ACU-2000 IP Card Cage, PSM-1 IP Power Supply Module, CPM-6 Control Processor Module, and HSP-2 IP Handset Speaker Module

ACU-2000 IP Interface Modules				
SCM-1 Radio/SIP Interface Module	5061-300000	$	2,460	5A991
SCM-2 Radio/SIP Interface Module	5061-330000	$	2,460	5A991
DSP-2 IP Radio/4-Wire Interface Module	5961-838000	$	1,517	5A991
DSP-3 IP Radio / 4-Wire Interface Module with Dispatch	5090-130000	$	2,460	5A991
PSTN-2 IP Public Switched Telephone Interface Module	5050-330000	$	1,517	5A991
LP-2 IP Local Phone Set Module	5070-430000	$	1,517	5A991
Additional ACU-2000 IP Modules and Options				
STU-III Phone Option (use with DSP-2 IP for STU-III interface)	5961-295000	$	786	5A991
Battery Backup Option	5961-296000	$	258	5A991
Kenwood Channel Change Option (Kenwood X80 series radios)	5961-299008-0	$	865	5A991
Kenwood Channel Change Option (Kenwood X150/X180 series radios)	5961-299008-0	$	730	5A991
Expansion Option Cable and number kit	5961-200160	$	315	5A991
LE-10 4-Wire Audio Remote with Handset & Speaker	5961-299000	$	798	5A991
LE-20 4-Wire Audio Remote with Desktop Mic and Speaker	5961-299001	$	1,135	5A991
LE-30 Remote Station	5961-299002	$	1,157	5A991
LE-40 Remote Speaker Microphone Assy	5961-299005	$	1,303	5A991
Extended Rear Back Panel Front Mount	5050-110000	$	1,674	EAR99
Extended Rear Back Panel Rear Panel	5050-120000	$	1,674	EAR99
Additional ACU-2000 IP Modules and Options Cont.				
ACU Controller Software & Manual Kit (available on the website)	5961-298100			5A991
Extender Card Assembly	5951-707000	$	79	
Null Modem Cable-6 ft.	0313-080100	$	34	
Pelican Case Option Kit*	5970-800010	$	1,045	
Handset Black	0150-200000	$	124	
Coil Cord	0313-060000	$	34	

	Part Number		Price	ECCN#
Spare Modules for ACU-2000 IP				
ACU-2000 IP Chassis	5961-231000	$	3,977	5A991
PSM-1A IP Power Supply Module	5951-833000	$	1,168	5A991
CPM-6 IP Control Processor Module	5961-233000	$	5,887	5A991
HSP-2 IP Handset Speaker Module	5040-632200	$	2,416	5A991
ACU-2000 Spare Kit includes;	5961-252000	$	8,218	5A991
All components listed in 5961-251000 except a PSM-1A IP,CPM-6 IP and DSP-2 IP, are the three modules provided				
ACU-5000 Next Generation IP Based Interoperability - TABLETOP	5100-100000	$	17,414	TBD
ACU-5000 Interoperability Server (w/Accessory Kit & Manual) Includes box and 4 channels				
ACU-5000 - 5 channel unit	5100-100005	$	19,201	TBD
ACU-5000 - 6 channel unit	5100-100006	$	20,987	TBD
ACU-5000 - 7 channel unit	5100-100007	$	22,773	TBD
ACU-5000 - 8 channel unit	5100-100008	$	24,560	TBD
ACU-5000 - 9 channel unit	5100-100009	$	26,346	TBD
ACU-5000 -10 channel unit	5100-100010	$	28,132	TBD
ACU-5000 -11 channel unit	5100-100011	$	29,919	TBD
ACU-5000 -12 channel unit	5100-100012	$	31,705	TBD
Additional Channels (Per Channel) Field Upgrade	5100-112000	$	1,786	TBD
ACU-5000 Next Generation IP Based Interoperability – RACK MOUNT	5110-800000	$	17,414	TBD
ACU-5000 Interoperability Server (w/Accessory Kit & Manual) Includes box and 4 channels				
ACU-5000 - 5 channel unit	5110-800005	$	19,201	TBD
ACU-5000 - 6 channel unit	5110-800006	$	20,987	TBD
ACU-5000 - 7 channel unit	5110-800007	$	22,773	TBD
ACU-5000 - 8 channel unit	5110-800008	$	24,560	TBD
ACU-5000 - 9 channel unit	5110-800009	$	26,346	TBD
ACU-5000 -10 channel unit	5110-800010	$	28,132	TBD
ACU-5000 -11 channel unit	5110-800011	$	29,919	TBD
ACU-5000 -12 channel unit	5110-800012	$	31,705	TBD
Additional Channels (Per Channel) Field Upgrade	5100-112000	$	1,786	TBD
ACU-T Tactical Intelligent Interconnect System				
ACU-T Tactical Package, AC/DC Powered	5030-200000	$	5,280	EAR99
Includes Card Cage HSP-4A and CPM-4 Modules and Accessory Kit				
ACU-T Bundle Kit	5030-210000	$	12,089	EAR99
Includes ACU-T Tactical Package, Case Option Kit with Battery and any 5 interface modules				
ACU-T Interface Modules (same as ACU-1000)				
DSP-2 Radio/4-Wire Interface Module	5961-818000	$	1,517	EAR99
PSTN-2 Public Switched Telephone Interface	5050-300000	$	1,517	EAR99
LP-2 Local Phone Module	5070-400000	$	1,517	EAR99
Additional ACU-T Modules and Options (same as ACU-1000)			0	

			0	
			0	
	Part Number		**Price**	**ECCN#**
STU-III Phone Option (use with DSP-2 for STU-III interface)	5030-206000	$	786	EAR99
Case Option Kit *	5030-204000	$	1,191	EAR99
** Ruggedized foam-lined case includes battery power kit and allows storage of ACU-T accessories and radio interface cables.*				
Adapter Cable	5961-281238	$	56	EAR99
Battery Power Kit (18 AH battery with cable)	5030-205000	$	258	EAR99
LE-10 4-Wire Audio Remote (Handset & Speaker with Adapter)	5030-299010	$	798	EAR99
LE-20 4-Wire Audio Remote (Desktop Mic & Speaker with Adapter)	5030-299020	$	1,135	EAR99
LE-30 Remote Station	5030-299030	$	1,157	EAR99
LE-40 Remote Speaker Microphone Assy	5030-299040	$	1,303	EAR99
Accessory Kit	5030-200150	$	281	EAR99
Extender Card Assembly	5951-707000	$	79	EAR99
Null Modem Cable-6 ft.	0313-080100	$	34	
Handset Black	0150-200000	$	124	
Coil Cord	0313-060000	$	34	
ACU-T Spare Modules				
HSP-4A Handset/Voice Prompt Module	5040-602400	$	2,359	EAR99
CPM-4 Control Processor Module	5961-213000	$	1,730	EAR99
Power Cord Adapter-External Power Supply	5030-273000	$	360	EAR99
ACU-T Spare Kit includes; All components listed in 5961-251000 except the ACU-T Accessory Kit and AC/DC Power Supply are substituted for the ACU Accessory Kit and PSM-1A	5030-281000	$	3,160	
ACU-M Interconnect System				
ACU-M package, AC/DC Powered				
Includes 110/220V power supply and AC/DC power cords	5060-100000	$	5,067	EAR99
Network option - enables two VoIP channels and WAIS capability	5060-109000	$	629	EAR99
ACU-M bundle packages VoIP/Network-enabled ACU-M bundle Includes VoIP/Network-enabled ACU-M, 4 radio interface cables, transportable case with battery and a charger, 110/220V power supply and AC/DC power cords	5060-119000	$	5,999	EAR99
		$	-	
Carrying Case Installed ACU-M bundle Includes ACU-M package installed in a heavy duty carrying case, includes battery and a charger	5060-107000	$	5,887	EAR99
ACU-M Additional Options				
Carrying case option for ACU-M - includes battery backup and charger	5060-107500	$	1,146	EAR99
Optional spare mounting bracket	5060-100300	$	56	EAR99
ARA-1 Analog Radio Adapter				
ARA-1 (Desktop 110 VAC to +12V DC Powered 115/220VAC 50/60Hz)	5060-800000	$	1,764	5A991
**External equipment interface cables for the ARA-1 must be ordered separately.*				
ARA-1 5 Pack - Five ARA-1 Units	5060-820000	$	6,741	5A991
NXU-2A Network Extension Unit		$	-	
NXU-2A (Desktop 110 VAC to +12V DC Powered 115/220 VAC 50/60Hz)	5041-200000	$	933	5A991B.4.A
Null Modem Cable- 6 ft.	0313-080100	$	34	5A991B.4.A
**External equipment interface cables for the NXU-2A must be ordered separately.*				
RTU-292 Radio/Telephone Interface Unit				

RTU-292 C Radio/Telephone Interface Unit				
Includes handset, DTMF phone dial in standard, AC/DC power	5020-500000	$	5,674	
Rack Slides	5930-594000		$326	EAR99
	Part Number		**Price**	**ECCN#**
RTU-292 CE Options				
Radio Remote Control Option (URC-200 Only)	5970-795000	$	416	EAR99
Squelch Break Access Option	5970-791300	$	416	EAR99
Local Phone Option	5930-596000	$	416	EAR99
Voice Prompt Option (Female/English)	5930-595000	$	472	EAR99
Custom Voice Prompts (one time for each unique prompt set)		$	1,865	EAR99
Call Logging Software	5970-791500	$	562	EAR99
DTMF Access Option	5970-799000	$	494	EAR99
SNV-12 Receiver Voter				
SNV-12 Receiver Voter Chassis, (Rack Mount, AC/DC Powered)				
Includes Card Cage PSM-1A Power Supply Module CIM-2A Interface Module and CPM-3 Control Processor Module	5951-800000	$	5,483	EAR99
SVM-2* Site Voter Module (up to 12 per chassis)	5952-112000	$	989	EAR99
**To order a voting system, order 1 SNV-12 Chassis and as many SVM-2s as there are voting receivers*				
SNV-12 Options				
PTG-10 Pilot Tone Generator	5970-900000	$	595	EAR99
Expansion Cable to Second Chassis (up to 24 sites)	5951-896024	$	213	EAR99
Expansion Cable to Second and Third Chassis (up to 36 sites)	5951-896036	$	348	EAR99
		$	-	
SNV-12 Chassis Spare Modules				
PSM-1A Power Supply Module	5951-813000	$	1,168	EAR99
CIM-2A Console Interface Module	5041-100000	$	1,191	EAR99
CPM-3 CPU Module	5061-100000	$	1,034	EAR99
Extender Card Assembly	5951-707000	$	79	EAR99
Note: the CPM-3 is an Ethernet-capable version of the earlier CPM-1, the SVM-2 is an updated version of the SVM-1, and the CIM-2A is an updated version of the CIM-2 (which itself is an updated version of the CIM-1). All modules are forward & backward compatible with these restrictions when purchasing new modules:				
SVM-2 and SVM-1 modules can be used together in the same chassis. When installing SVM-2 or CIM-2A modules in a chassis with an existing CPM-1 module, the latest revision firmware must be installed in the CPM-1. Request the latest revision CPM-1 EPROM (no charge)				
TRP-1000				
TRP-1000 Transportable Radio Interoperability System				
TRP-1000 Transportable Radio Interoperability System				
Includes ACU-1000 and radios in transportable case	consult factory			EAR99
WAIS (Wide Area Interoperability System)				
WAIS Software				
Installation per ACU connection	consult factory			5D992.B1
Installation support	consult factory			
		$	-	

Training	Part Number		Price	ECCN#
Travel time should reflect time needed and transport method used to travel from Raleigh, NC to the desired customer site. Any training requiring drive time must be certified by customer service before quoting				
Training - ACU 1000 Technical Classes				
2 days class sessions with 2 days flight travel time	0000-000001	$	8,258	
Training - ACU 1000 Technical Classes				
2 days of class sessions with (2) 1/2 day of drive travel time	0000-000101	$	6,267	
Training - ACU 1000 Technical Classes				
2 days of class sessions with (2) 1 day of drive travel time	0000-000102	$	7,640	
Training - ACU 1000 Operational Class				
1 day of class sessions with (2) 1/2 day of drive travel time	0000-000103	$	4,441	
Training - ACU 1000 Operational Class				
1 day of class sessions with (2) 1 day of drive travel time	0000-000104	$	5,999	
Training - ACU 1000 Operational Class				
1 day of class sessions with 2 days of flight travel time	0000-000105	$	6,730	
Training - SNV-12 Technical Class				
1 day of class sessions with 2 days of flight travel time	0000-000002	$	6,730	
Training - SNV -12 Technical Class				
1 day of class sessions with (2) 1/2 day of drive travel time	0000-000201	$	4,441	
Training - SNV-12 Technical Class				
1 day of class sessions with (2) 1 day of drive travel time	0000-000202	$	5,999	
Training - WAIS Technical Classes				
2 days of class sessions with 2 days flight travel time	0000-000003	$	8,258	
Training - WAIS Technical Classes				
2 days of class sessions with (2) 1/2 day of drive travel time	0000-000301	$	6,267	
Training - WAIS Technical Classes				
2 days of class sessions with (2) 1 day of drive travel time	0000-000302	$	7,640	
Training - WAIS Operational Class				
1 day of class sessions with (2) 1/2 day of drive travel time	0000-000303	$	4,441	
Training - WAIS Operational Class				
1 day of class sessions with (2) 1 day of drive travel time	0000-000304	$	5,999	
Training - WAIS Operational Class				
1 day of class sessions with 2 days of flight travel time	0000-000305	$	6,730	
Training - ACU and WAIS Extensive Training Classes				
3 days of class sessions with 2 days of flight travel time	0000-000306	$	10,038	
Training - ACU and WAIS Extensive Training Classes				
4 days of class sessions with 2 days of flight travel time	0000-000307	$	11,751	
Training - ACU and WAIS Extensive Training Classes				
5 days of class sessions with 2 days of flight travel time	0000-000308	$	13,464	

KENWOOD

SYSTEMS PRICE GUIDE

November 2013

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TKR-750/751/850/851 and NXR-710/810

Low Power Base Stations and Repeaters

BASE STATION		***LIST***
TKB7500PS	Low Power Base Station, 146-174MHz (TKR-750K, KSGPS20200)	1,813.00
TKB7510PS	Low Power Base Station, 146-174MHz (TKR-751K, KSGPS20200)	1,638.00
TKB8500PS	Low Power Base Station, 450-480MHz (TKR-850K, KSGPS20200)	1,918.00
TKB8510PS	Low Power Base Station, 450-480MHz (TKR-851K, KSGPS20200)	1,743.00
NXB7100PS	Low Power Base Station, 136-174MHz (NXR-710K, KSGPS20200)	2,405.00
NXB8101PS	Low Power Base Station, 450-520MHz (NXR-810K, KSGPS20200)	2,405.00
NXB8102PS	Low Power Base Station, 400-470MHz (NXR-810K2, KSGPS20200)	2,405.00
REPEATER STATION		***LIST***
TKR7500PS	Low Power Repeater Station, 146-174MHz (TKR-750K, KSGPS20200)	1,813.00
TKR7510PS	Low Power Repeater Station, 146-174MHz (TKR-751K, KSGPS20200)	1,638.00
TKR8500PS	Low Power Repeater Station, 450-480MHz (TKR-850K, KSGPS20200)	1,918.00
TKR8510PS	Low Power Repeater Station, 450-480MHz (TKR-851K, KSGPS20200)	1,743.00
NXR7100PS	Low Power Repeater Station, 136-174MHz (NXR-710K, KSGPS20200)	2,405.00
NXR8101PS	Low Power Repeater Station, 450-520MHz (NXR-810K, KSGPS20200)	2,405.00
NXR8102PS	Low Power Repeater Station, 400-470MHz (NXR-810K2, KSGPS20200)	2,405.00
REPEATER STATION WITH DUPLEXER	**Note:** Duplexers are not available for all frequencies. The default range of duplexers are between 148-160 MHz (VHF) with a 5MHz split between TX and RX, and between 450-460MHz (UHF). Other frequencies or VHF band splits may be available by special order (non-returnable and non-refundable). Pricing for special order duplexers may be higher.	***LIST***
TKR7500PSD	Low Power Repeater Station with Duplexer, 148-160MHz (TKR-750K, KSGPS20200, KSGDX62001, KSGCB20008, KSGCB20010)	2,508.00
TKR7510PSD	Low Power Repeater Station with Duplexer, 148-160MHz (TKR-751K, KSGPS20200, KSGDX62001, KSGCB20008, KSGCB20010)	2,333.00
TKR8500PSD	Low Power Repeater Station with Duplexer, 450-460MHz (TKR-850K, KSGPS20200, KSGDX63002, KSGCB20008, KSGCB20010)	2,613.00
TKR8510PSD	Low Power Repeater Station with Duplexer, 450-460MHz (TKR-851K, KSGPS20200, KSGDX63002, KSGCB20008, KSGCB20010)	2,438.00
NXR7100PSD	Low Power Repeater Station with Duplexer, 148-160MHz (NXR-710K, KSGPS20200, KSGDX62001, KSGCB20008, KSGCB20010)	3,100.00
NXR8101PSD	Low Power Repeater Station with Duplexer, 450-460MHz (NXR-810K, KSGPS20200, KSGDX63002, KSGCB20008, KSGCB20010)	3,100.00
NXR8102PSD	Low Power Repeater Station with Duplexer, 450-460MHz (NXR-810K2, KSGPS20200, KSGDX63002, KSGCB20008, KSGCB20010)	3,100.00
REPEATER STATION WITH CONVENTIONAL IP NETWORK FUNCTIONALITY		***LIST***
NXR7100PSI	Low Power Repeater Station, 136-174MHz (NXR-710K, KSGPS20200, KTI-3M)	2,670.00
NXR8101PSI	Low Power Repeater Station, 450-520MHz (NXR-810K, KSGPS20200, KTI-3M)	2,670.00
NXR8102PSI	Low Power Repeater Station, 400-470MHz (NXR-810K2, KSGPS20200, KTI-3M)	2,670.00

REPEATER STATION WITH DUPLEXER AND IP NETWORK FUNCTIONALITY		***LIST***
	Note: Duplexers are not available for all frequencies. The default range of duplexers are between 148-160 MHz (VHF) with a 5MHz split between TX and RX, and, and between 450-460MHz (UHF). Other frequencies or VHF band splits may be available by special order (non-returnable and non-refundable). Pricing for special order duplexers may be higher. Duplexer and KTI-3M are mounted inside the Repeater; a separate Rack-Mount Power Supply is provided.	
NXR7100PSDI	Low Power Repeater Station with Duplexer, 148-160MHz (NXR-710K, KSGPS20201, KSGDX62001, KTI-3M, KSGCB20008, KSGCB20010)	3,540.00
NXR8101PSDI	Low Power Repeater Station with Duplexer, 450-460MHz (NXR-810K, KSGPS20201, KSGDX63002, KTI-3M, KSGCB20008, KSGCB20010)	3,540.00
NXR8102PSDI	Low Power Repeater Station with Duplexer, 450-460MHz (NXR-810K2, KSGPS20201, KSGDX63002, KTI-3M, KSGCB20008, KSGCB20010)	3,540.00
BASIC ACCESSORIES		***LIST***
KPG-46UM	Programming Cable	158.50
KPG-91DNK	Programming Software (TKR-750/751/850/851)	103.25
KPG-129DNK	Programming Software (NXR-710/810)	103.25
B51-8556-20	TKR-750 Service Manual	50.00
B51-8683-00	TKR-751 Service Manual	50.00
B51-8557-30	TRK-850 Service Manual	50.00
B51-8684-00	TRK-851 Service Manual	50.00
B51-8901-00	NXR-710 Service Manual	50.00
B51-8902-00	NXR-810 Service Manual	50.00
KMC-9C	Desktop Microphone	86.00
KSGMT30001	2RU Desktop Enclosure - 16" deep by 20.5" wide by 5" high	200.00
KSGMT30004	4RU Desktop Enclosure - 16" deep by 20.5" wide by 8.5" high	215.00
COMPONENTS		***LIST***
TKR-750K	Repeater, VHF, 146-174MHz, 25-50W	1,558.00
TKR-751K	Repeater, VHF, 146-174MHz, 25W	1,383.00
TKR-850K	Repeater, UHF, 450-480MHz 25-40W	1,663.00
TKR-851K	Repeater, UHF, 450-480MHz, 1-25W	1,488.00
NXR-710K	Repeater, Digital, VHF, 136-174MHz, 25-50W	2,150.00
NXR-810K	Repeater, Digital, UHF, 450-520MHz, 1-40W	2,150.00
NXR-810K2	Repeater, Digital, UHF, 400-470MHz, 1-40W	2,150.00
KSGPS20200	DC Switching Power Supply	255.00
KSGDX62001	Duplexer, VHF, 148-160MHz, 6 cavities, 4.5MHz sep, N-F	595.00
KSGDX63002	Duplexer, UHF, 440-470MHz, 6 cavities, 5MHz sep, N-F	595.00
KSGCB20008	Cable, 10" 90 deg N-M to 90 deg BNC-M, RG-142 coaxial	50.00
KSGCB20010	Cable, 10", 90 deg N-M to 90 deg N-M, RG-142 coaxial	50.00
KTI-3M	Network Interface Unit	265.00
KSGPS20201	Power Supply, 20A, no meter, RM-2512 w/BB6 & 8 place fuse	430.00

VHF High Band

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NXR-700

High Performance Base Stations and Repeaters 136 - 174 MHz

GENERAL: NXR-700 VHF Base Stations and Repeaters are integrated systems. The NXR-700 repeater occupies 1 RU and may be used as a standalone 5W low-power station or with an external power amplifier. The NXR-700E is a 25W repeater that can be used either in local or low-power applications. The NXR-700 can be programmed to operate in the analog mode at 25 KHz or 12.5 KHz, or in the digital mode at 12.5 KHz or 6.25 KHz. Programming information is required to properly configure each system. Please contact your Kenwood Systems Regional Manager for assistance.
OPTIONS: Station options include external amplifiers with built-in T/R antenna switching for simplex operation, wire line remote control, and power supply options such as integrated SmartCharger and Low Voltage Disconnect for battery backup applications. A high performance 6 cavity BpBr duplexer is also listed, while multi-channel combining systems are quoted on an individual system basis. Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks. Amplifier choices include 50W, 110W, 150W or 250W options. Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details. Trunking options include enabling of the NXR-700 trunking feature, plus system management software that includes a master USB key & activation file, which hold a license ID unique to each system. This system manager software permits a system administrator to change critical features and permissions. Secondary, restricted-level service keys that manage less critical system parameters are also available. Each trunking system requires an Ethernet switch at each site. Routers are optional for a single-site system but required for multi-site systems. NOTE: Recommended models are listed herein, but most commercially available IP equipment is compatible as well.

NXR-700 REPEATER		***LIST***
NXR-700K	Repeater, Digital, VHF, 146-174MHz, 5W	5,333.00
NXR-700K2	Repeater, Digital, VHF, 136-154MHz, 5W	5,333.00
NXR-700E	Repeater, Digital, VHF, 146-174MHz, 25W	6,000.00
BANDWIDTH OPTION:		***LIST***
KXK-3M3	6.25KHz "Very Narrow Band" Option High Stability Reference Oscillator **Note:** Only one KXK-3M3 required per site for each 6.25KHz operation.	3,333.00
BASIC ACCESSORIES		***LIST***
KSGCB60004	NXR-Series Programming Cable	25.00
KPG-109DNK	Repeater Programming Software	103.25
KPG-149RM	Nexedge Repeater Monitoring Software	250.00
B51-8794-00	NXR-700 Service Manual	50.00
B51-8826-00	NXR-700 Supplement Manual	50.00
RF BASE STATION AMPLIFIER OPTIONS (K and K2 Models) **Note:** Includes Two Cables for Radio Connectivity		***LIST***
KSGPA22423	136-174MHz, 3W Input, 25-50W Output	1,990.00
KSGPA22400	136-144MHz, 3W Input, 55-110W Output	2,505.00
KSGPA22410	144-152MHz, 3W Input, 55-110W Output	2,505.00
KSGPA22420	152-162MHz, 3W Input, 55-110W Output	2,505.00
KSGPA22430	162-174MHz, 3W Input, 55-110W Output	2,505.00
KSGPA22451	136-144MHz, 3W Input, 150W Output	3,720.00
KSGPA22452	144-152MHz, 3W Input, 150W Output	3,720.00
KSGPA22453	152-162MHz, 3W Input, 150W Output	3,720.00
KSGPA22454	162-174MHz, 3W Input, 150W Output	3,720.00
KSGPA22258	152-162MHz, 3W Input, 250W Output	4,600.00

RF BASE AMPLIFIER OPTIONS (E Model) **Note:** Includes Two Cables for Radio Connectivity		***LIST***
KSGPA22523	136-174MHz, 25W Input, 25-50W Output	1,990.00
KSGPA22510	144-152MHz, 25W Input, 55-110W Output	2,505.00
KSGPA22520	152-162MHz, 25W Input, 55-110W Output	2,505.00
KSGPA22530	162-174MHz, 25W Input, 55-110W Output	2,505.00
KSGPA22552	144-152MHz, 25W Input, 150W Output	3,720.00
KSGPA22553	152-162MHz, 25W Input, 150W Output	3,720.00
KSGPA22554	162-174MHz, 25W Input, 150W Output	3,720.00
RF REPEATER STATION AMPLIFIER OPTIONS (K and K2 Models) **Note:** Includes One Cable for Radio Connectivity		***LIST***
KSGPA22403	136-174MHz, 3W Input, 25-50W Output	1,665.00
KSGPA22411	136-144MHz, 3W Input, 55-110W Output	2,160.00
KSGPA22412	144-152MHz, 3W Input, 55-110W Output	2,160.00
KSGPA22413	152-162MHz, 3W Input, 55-110W Output	2,160.00
KSGPA22414	162-174MHz, 3W Input, 55-110W Output	2,160.00
KSGPA22441	136-144MHz, 3W Input, 150W Output	3,060.00
KSGPA22442	144-152MHz, 3W Input, 150W Output	3,060.00
KSGPA22443	152-162MHz, 3W Input, 150W Output	3,060.00
KSGPA22444	162-174MHz, 3W Input, 150W Output	3,060.00
KSGPA22253	152-162MHz, 3W Input, 250W Output	4,060.00
RF REPEATER AMPLIFIER OPTIONS (E Model) **Note:** Includes One Cable for Radio Connectivity		***LIST***
KSGPA22503	136-174MHz, 25W Input, 25-50W Output	1,665.00
KSGPA22512	144-152MHz, 25W Input, 55-110W Output	2,160.00
KSGPA22513	152-162MHz, 25W Input, 55-110W Output	2,160.00
KSGPA22514	162-174MHz, 25W Input, 55-110W Output	2,160.00
KSGPA22542	144-152MHz, 25W Input, 150W Output	3,060.00
KSGPA22543	152-162MHz, 25W Input, 150W Output	3,060.00
KSGPA22544	162-174MHz, 25W Input, 150W Output	3,060.00
POWER SUPPLY OPTIONS		***LIST***
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply **Note**: Incompatible with 150W or 250W amplifier option.	475.00
KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger **Note**: Incompatible with 150W or 250W amplifier option.	1,355.00
KSGPS20701	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	1,355.00
KSGPS20702	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1,740.00
MOUNTING CONFIGURATIONS		***LIST***
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	1,200.00
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,675.00
KSGMT20020	42" (20RU) Locking Cabinet	2,000.00
KSGMT0C20U	Crate for 42" (20RU) Locking Cabinet **Note:** Optional for situations where extra protection during transportation is required.	345.00
KSGMT20001	Cabinet Solid Top Panel	90.00
KSGMT20002	Cabinet Fan Top Assembly	435.00
KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	140.00
WIRELINE REMOTE CONTROL OPTIONS		***LIST***
KSGTN02A	2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor.	655.00
KSGTN02N	N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling.	670.00

WIRELINE REMOTE CONTROL OPTIONS		***LIST***
KSGTM20016	16 Channel Tone Termination Panel **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor.	948.75
KSGTDC2A	DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order.	410.00
KSGTALD1	600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) **Note:** 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications.	360.00

ETHERNET SWITCH & ROUTER OPTIONS **Note:** One switch is required for each site; VPN router(s) may be required for multi-site systems depending on desired configuration. When needed, VPN router(s) are required in addition to and in conjunction with network switch equipment. Multicast Router options are also available.		***LIST***
KSGNS10008	8-Port Managed Network Switch with Mounting Tray	250.00
KSGNS10024	Rack Mounted 24-Port Managed Network Switch	375.00
KSGRT10004	4-Port Managed VPN Router with Mounting Tray	375.00

INTERNAL TRUNKING AND NETWORKING OPTIONS		***LIST***
KSGPG91800	Repeater Trunking Feature **Note**: One Feature required for each trunking repeater.	1,500.00
KSGPG91810	Multi-Site Networking Feature **Note**: One required for each of the first five sites to be networked; sites 6 through 16 are available at no additional charge.	11,667.00
KSGPGKEYSM	System Manager Software and Secure USB Key Package (KPG-110SMK, KSGPGKEY01) **Note:** Only required when used as a trunking system. Software/Key package discount has been applied. (See component pricing below.)	583.00
KPG-110SMK	System Manager Trunking Software **Note**: Additional Programming Software (One copy included with KSGPGKEYSM) Software cannot be opened without a valid KSGPGKEY01 or KSGPGKEY02 secure USB key..	459.00
KSGPGKEY01	Grade-1 Unlimited Access Secure USB Programming Key	167.00
KSGPGKEY02	Grade-2 Limited Access Secure USB Programming Key	167.00

USB KEY FUNCTION OR CAPABILITY	**GRADE-1 (BLUE)**	**GRADE-2 (YELLOW)**
PROGRAM GENERAL SYSTEM PARAMETERS	√	√
ADD / DELETE / EDIT USERS. TALKGROUPS, CLASSES OF SERVICE, ECT.	√	√
ASSIGN OR EDIT REPEATER NETWORK IP ADDRESSES	√	
ADD NEW REPEATER CHANNEL(S)	√	
SWAP OUT SPARE REPEATERS	√	
CONSTRUCT OR ADD NEW SITES	√	

EXTERNAL TRUNKING CONTROLLER OPTIONS		***LIST***
KSGC040L	LTR Dispatch Trunking Controller (KSGCT11040, KSGCB30532)	1,590.00
KSGC050L	LTR Dispatch & Interconnect Trunking Controller (KSGCT11050, KSGCB30532)	3,020.00
KSGC452L	LTR Dispatch Trunking Controller (901-9570, KSGCB32801)	1,545.00
KSGC459L	LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)	2,370.00

MISC STATION OPTIONS		***LIST***
KSGDX12556	6 Cavity VHF BpBr Duplexer **Note**: Bandpass/Bandreject duplexer, 350W continuous duty, minimum TX-RX 400 KHz. Includes one LMR-400 interface cable.	3,095.00
KSGOMOD1	Basic Site Management Modem (KSGMD10001, KSGCB22154) **Note**: Modem 2400 bps to be used with LTR controllers, includes interface cable.	255.00
KSGOMOD2	High Performance Site Management Modem (KSGMD20000, KSGCB22154) **Note:** Modem 2400 bps, extra stability in high RF environments, includes interface cable.	1,215.00

MISC STATION OPTIONS		***LIST***
KSGSNV12	Signal-to-Noise Modular Voting Comparator **Note:** 19" rack mount; occupies 3RU. Order Station Module Cards below.	8,000.00
KSGVOT2A	Station Module Card for Signal-to-Noise Voter (SVM-2)	1,530.00
KSGOPTG1	Pilot Tone Generator and Line Driver (PTG-10) **Note:** For use with voting systems, supplies 600 Ohm balanced 2-wire audio.	885.00
COMPONENTS		***LIST***
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	720.00
KSGMT0C03R	Crate for 3' Rack	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	650.00
KSGMT0C07R	Crate for 7' Rack	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	2,155.00
KSGMT0C40U	Crate for 40U Cabinet	520.00
KSGTM10012	Panel, Tone Term, 2 ch., no case, full dup, 2 or 4 wire, w/monitor	560.00
KSGTM10TCS	Case, Tone Term Panel	65.00
KSGCB32801	Cable, Interface, Tone to '50	30.00
KSGTM10060	Panel, Tone Term (N-Series), 2 ch., no case, full dup, 2 or 4 wire, w/monitor	570.00
KSGTM20TCS	Case, Tone Term Panel (N-Series)	70.00
KSGTM10003	Term panel, DC, 2ch, 2/4-wire, full duplex	315.00
KSGTM10021	600 Ohm Balanced Line Driver	265.00
KSGCT11040	Controller, Dispatch Trunking (Trident Raider)	1,550.00
KSGCB30532	Cable, 32", DB-25 Male (Controller) to DB-25 Male(Repeater)	40.00
KSGCT11050	Controller, Dispatch Trunking with Interconnect (Trident Maurader)	2,980.00
901-9570	Controller, Dispatch Trunking (Zetron Model 452)	1,515.00
905-0123	Controller, Dispatch Trunking with Interconnect (Zetron Model 459)	2,340.00
KSGMD10001	Modem, USR	215.00
KSGCB22154	Cable,54",DB-9 Female (Controller) to DB-25 Male(Modem)	40.00
KSGMD20000	Modem, Tuff, with power cable and interface cable	1,175.00
KSGUT10001	1RU Mounting Tray **Note**: Provides mounting space for up to two accessories.	50.00

VHF High Band

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NXR-710

High Performance Base Stations and Repeaters, 136-174 MHz

GENERAL: The NXR-710 repeater occupies 2 RU and may be used as a standalone 25 W continuous or 50W intermittent duty station or in conjunction with an external power amplifier. The NXR-710 can be programmed to operate in the analog mode at 25 KHz or 12.5 KHz, and in the digital mode at 12.5 KHz or 6.25 KHz.
OPTIONS: Station options include external amplifiers with built-in T/R antenna switching for simplex operation, wire line remote control, and power supply options such as integrated SmartCharger and Low Voltage Disconnect for battery backup applications. A high performance 6 cavity BpBr duplexer is also listed, while multi-channel combining systems are quoted on an individual system basis. Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks. Amplifier choices include 50W, 110W or 150W options. Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details.

NXR-710 REPEATER		***LIST***
NXR-710K	Repeater, Digital, VHF, 136-174MHz, 25-50W	2,150.00
BASIC ACCESSORIES		***LIST***
KSGCB60004	NXR-Series Programming Cable	25.00
KPG-129DNK	Repeater Programming Software	103.25
KPG-149RM	Nexedge Repeater Monitoring Software	250.00
B51-8901-00	NXR-710 Service Manual	50.00
KTI-3M	Network Interface Unit - Required for Conv. IP Networking Functionality	265.00
KWD-NX10VTR	Voting System Option	500.00
RF BASE STATION AMPLIFIER OPTIONS **Note**: Includes Two Cables for Radio Connectivity and an Internal Antenna Relay		***LIST***
KSGPA22423	136-174MHz, 3W Input, 25-50W Output	1,990.00
KSGPA22400	136-144MHz, 3W Input, 55-110W Output	2,505.00
KSGPA22410	144-152MHz, 3W Input, 55-110W Output	2,505.00
KSGPA22420	152-162MHz, 3W Input, 55-110W Output	2,505.00
KSGPA22430	162-174MHz, 3W Input, 55-110W Output	2,505.00
KSGPA22451	136-144MHz, 3W Input, 150W Output	3,720.00
KSGPA22452	144-152MHz, 3W Input, 150W Output	3,720.00
KSGPA22453	152-162MHz, 3W Input, 150W Output	3,720.00
KSGPA22454	162-174MHz, 3W Input, 150W Output	3,720.00
KSGPA22258	152-162MHz, 3W Input, 250W Output	4,600.00
KSGPA22523	136-174MHz, 25W Input, 25-50W Output	1,990.00
KSGPA22500	136-144MHz, 25W Input, 55-110W Output	2,505.00
KSGPA22510	144-152MHz, 25W Input, 55-110W Output	2,505.00
KSGPA22520	152-162MHz, 25W Input, 55-110W Output	2,505.00
KSGPA22530	162-174MHz, 25W Input, 55-110W Output	2,505.00
KSGPA22551	136-144MHz, 25W Input, 150W Output	3,720.00
KSGPA22552	144-152MHz, 25W Input, 150W Output	3,720.00
KSGPA22553	152-162MHz, 25W Input, 150W Output	3,720.00
KSGPA22554	162-174MHz, 25W Input, 150W Output	3,720.00
RF REPEATER STATION AMPLIFIER OPTIONS **Note**: Includes One Cable for Radio Connectivity		***LIST***
KSGPA22403	136-174MHz, 3W Input, 25-50W Output	1,665.00
KSGPA22411	136-144MHz, 3W Input, 55-110W Output	2,160.00
KSGPA22412	144-152MHz, 3W Input, 55-110W Output	2,160.00
KSGPA22413	152-162MHz, 3W Input, 55-110W Output	2,160.00

RF REPEATER STATION AMPLIFIER OPTIONS **Note:** Includes One Cable for Radio Connectivity		***LIST***
KSGPA22414	162-174MHz, 3W Input, 55-110W Output	2,160.00
KSGPA22441	136-144MHz, 3W Input, 150W Output	3,060.00
KSGPA22442	144-152MHz, 3W Input, 150W Output	3,060.00
KSGPA22443	152-162MHz, 3W Input, 150W Output	3,060.00
KSGPA22444	162-174MHz, 3W Input, 150W Output	3,060.00
KSGPA22253	152-162MHz, 3W Input, 250W Output	4,060.00
KSGPA22503	136-174MHz, 25W Input, 25-50W Output	1,665.00
KSGPA22511	136-144MHz, 25W Input, 55-110W Output	2,160.00
KSGPA22512	144-152MHz, 25W Input, 55-110W Output	2,160.00
KSGPA22513	152-162MHz, 25W Input, 55-110W Output	2,160.00
KSGPA22514	162-174MHz, 25W Input, 55-110W Output	2,160.00
KSGPA22541	136-144MHz, 25W Input, 150W Output	3,060.00
KSGPA22542	144-152MHz, 25W Input, 150W Output	3,060.00
KSGPA22543	152-162MHz, 25W Input, 150W Output	3,060.00
KSGPA22544	162-174MHz, 25W Input, 150W Output	3,060.00
POWER SUPPLY OPTIONS		***LIST***
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply **Note**: Incompatible with 150W or 250W amplifier option.	475.00
KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger **Note**: Incompatible with 150W or 250W amplifier option.	1,355.00
KSGPS20701	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	1,355.00
KSGPS20702	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1,740.00
MOUNTING CONFIGURATIONS		***LIST***
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	1,200.00
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,675.00
KSGMT20020	42" (20RU) Locking Cabinet	2,000.00
KSGMT0C20U	Crate for 42" (20RU) Locking Cabinet **Note:** Optional for situations where extra protection during transportation is required.	345.00
KSGMT20001	Cabinet Solid Top Panel	90.00
KSGMT20002	Cabinet Fan Top Assembly	435.00
KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	140.00
WIRELINE REMOTE CONTROL OPTIONS		***LIST***
KSGTN02A	2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor.	655.00
KSGTN02N	N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling.	670.00
KSGTN10A	10 Channel BCD Tone Termination Panel (KSGTM10010, KSGBCDCASE, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor.	920.00
KSGTM20016	16 Channel Tone Termination Panel **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor.	948.75
KSGTDC2A	DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order.	410.00
KSGTALD1	600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) **Note:** 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications.	940.00

ETHERNET SWITCH & ROUTER OPTIONS		***LIST***
KSGNS10008	8-Port Managed Network Switch with Mounting Tray	250.00
KSGNS10024	Rack Mounted 24-Port Managed Network Switch	375.00
KSGRT10004	4-Port Managed VPN Router with Mounting Tray	375.00
EXTERNAL TRUNKING CONTROLLER OPTIONS		***LIST***
KSGC040L	LTR Dispatch Trunking Controller (KSGCT11040, KSGCB30532)	1,590.00
KSGC050L	LTR Dispatch & Interconnect Trunking Controller (KSGCT11050, KSGCB30532)	3,020.00
KSGC452L	LTR Dispatch Trunking Controller (901-9570, KSGCB32801)	1,545.00
KSGC459L	LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)	2,370.00
MISC STATION OPTIONS		***LIST***
KSGDX12556	6 Cavity VHF BpBr Duplexer **Note**: Bandpass/Bandreject duplexer, 350W continuous duty, minimum TX-RX 400 KHz. Includes one LMR-400 interface cable.	3,095.00
KSGOMOD1	Basic Site Management Modem (KSGMD10001, KSGCB22154) **Note**: Modem 2400 bps to be used with LTR controllers, includes interface cable.	255.00
KSGOMOD2	High Performance Site Management Modem (KSGMD20000, KSGCB22154) **Note**: Modem 2400 bps, extra stability in high RF environments, includes interface cable.	1,215.00
KSGSNV12	Signal-to-Noise Modular Voting Comparator **Note:** 19" rack mount; occupies 3RU. Order Station Module Cards below.	8,000.00
KSGVOT2A	Station Module Card for Signal-to-Noise Voter (SVM-2)	1,530.00
KSGOPTG1	Pilot Tone Generator and Line Driver (PTG-10) **Note:** For use with voting systems, supplies 600 Ohm balanced 2-wire audio.	885.00
KSGMS10010	Relay, Antenna, x10 Series, 50W	340.00
COMPONENTS		***LIST***
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	720.00
KSGMT0C03R	Crate for 3' Rack	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	650.00
KSGMT0C07R	Crate for 7' Rack	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	2,155.00
KSGMT0C40U	Crate for 40U Cabinet	520.00
KSGTM10012	Panel, Tone Term, 2 ch., no case, full dup, 2 or 4 wire, w/monitor	560.00
KSGTM10TCS	Case, Tone Term Panel	65.00
KSGCB32801	Cable, Interface, Tone to '50	30.00
KSGTM10060	Panel, Tone Term (N-Series), 2 ch., no case, full dup, 2 or 4 wire, w/monitor	570.00
KSGTM20TCS	Case, Tone Term Panel (N-Series)	70.00
KSGTM10010	Panel, Tone Term, 10 ch., with case, full dup, 2 or 4 wire, w/mon	820.00
KSGBCDCASE	Case, Tone Term Panel	70.00
KSGTM10003	Term panel, DC, 2ch, 2/4-wire, full duplex	315.00
KSGTM10021	600 Ohm Balanced Line Driver	265.00
KSGCT11040	Controller, Dispatch Trunking (Trident Raider)	1,550.00
KSGCB30532	Cable, 32", DB-25 Male (Controller) to DB-25 Male(Repeater)	40.00
KSGCT11050	Controller, Dispatch Trunking with Interconnect (Trident Maurader)	2,980.00
901-9570	Controller, Dispatch Trunking (Zetron Model 452)	1,515.00
905-0123	Controller, Dispatch Trunking with Interconnect (Zetron Model 459)	2,340.00
KSGMD10001	Modem, USR	215.00
KSGCB22154	Cable,54",DB-9 Female (Controller) to DB-25 Male(Modem)	40.00
KSGMD20000	Modem, Tuff, with power cable and interface cable	1,175.00
KSGUT10001	1RU Mounting Tray **Note**: Provides mounting space for up to two accessories.	50.00

UHF

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NXR-800

High Performance Base Stations and Repeaters 400 - 512 MHz

GENERAL: NXR-800 UHF Base Stations and Repeaters are integrated systems. The NXR-800 repeater occupies 1 RU and may be used as a standalone 5W low-power station or with an external power amplifier. The NXR-800 can be programmed to operate in the analog mode at 25 KHz or 12.5 KHz, and in the digital mode at 12.5 KHz or 6.25 KHz. Programming information is required to properly configure each system. Please contact your Kenwood Systems Regional Manager for assistance.

OPTIONS: Station options include external amplifiers with built-in T/R antenna switching for simplex operation, wire line remote control, and power supply options such as integrated SmartCharger and Low Voltage Disconnect for battery backup applications. High performance 4 and 6 cavity BpBr duplexers are also listed, while multi-channel combining systems are quoted on an individual system basis. Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks. Amplifier choices include 40W, 100W or 150W options. Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details. Required trunking options include enabling of the NXR-800 trunking feature, plus system management software that includes a master USB key & activation file, which hold a license ID unique to each system. This system manager software permits a system administrator to change critical features and permissions. Secondary, restricted-level service keys that manage less critical system parameters are also available. Each trunking system requires an Ethernet switch at each site. Routers are optional for a single-site system but required for multi-site systems. NOTE: Recommended models are listed herein, but most commercially available IP equipment is compatible as well.

NXR-800 REPEATER		***LIST***
NXR-800K	Repeater, Digital, UHF, 450-480MHz, 1-5W	5,333.00
NXR-800K2	Repeater, Digital, UHF, 480-512MHz, 1-5W	5,333.00
NXR-800K3	Repeater, Digital, UHF, 400-430MHz, 1-5W	5,333.00
NXR-800E	Repeater, Digital, UHF, 440-470MHz, 25W	6,000.00
NXR-800E3	Repeater, Digital, UHF, 400-430MHz, 25W	6,000.00
BANDWIDTH OPTION:		***LIST***
KXK-3M3	6.25KHz "Very Narrow Band" Option High Stability Reference Oscillator **Note**: Only one KXK-3M3 required per site for each 6.25KHz operation.	3,333.00
BASIC ACCESSORIES		***LIST***
KSGCB60004	NXR-Series Programming Cable	25.00
KPG-109DNK	Repeater Programming Software	103.25
KPG-149RM	Nexedge Repeater Monitoring Software	250.00
B51-8795-00	NXR-800 Service Manual	50.00
B51-8827-00	NXR-800 Supplement Manual	50.00
RF BASE STATION AMPLIFIER OPTIONS (K, K2 and K3 Models) **Note:** Includes Two Cables for Radio Connectivity		***LIST***
KSGPA23421	406-450MHz, 3W Input, 20-40W Output	1,950.00
KSGPA23423	450-512MHz, 3W Input, 20-40W Output	1,950.00
KSGPA23400	406-450MHz, 3W Input, 50-100W Output	2,600.00
KSGPA23420	450-512MHz, 3W Input, 50-100W Output	2,600.00
KSGPA23451	406-450MHz, 3W Input, 150W Output	4,560.00
KSGPA23453	450-512MHz, 3W Input, 150W Output	4,560.00

RF BASE STATION AMPLIFIER OPTIONS (E and E3 Models) **Note:** Includes Two Cables for Radio Connectivity		***LIST***
KSGPA23521	406-450MHz, 25W Input, 20-40W Output	1,950.00
KSGPA23523	450-512MHz, 25W Input, 20-40W Output	1,950.00
KSGPA23500	406-450MHz, 25W Input, 50-100W Output	2,600.00
KSGPA23520	450-512MHz, 25W Input, 50-100W Output	2,600.00
KSGPA23551	406-450MHz, 25W Input, 150W Output	4,560.00
KSGPA23553	450-512MHz, 25W Input, 150W Output	4,560.00
RF REPEATER STATION AMPLIFIER OPTIONS (K, K2 and K3 Models) **Note:** Includes One Cable for Radio Connectivity		***LIST***
KSGPA23401	406-450MHz, 3W Input, 20-40W Output	1,665.00
KSGPA23403	450-512MHz, 3W Input, 20-40W Output	1,665.00
KSGPA23411	406-450MHz, 3W Input, 50-100W Output	2,165.00
KSGPA23413	450-512MHz, 3W Input, 50-100W Output	2,165.00
KSGPA23441	406-450MHz, 3W Input, 150W Output	3,940.00
KSGPA23443	450-512MHz, 3W Input, 150W Output	3,940.00
RF REPEATER STATION AMPLIFIER OPTIONS (E and E3 Models) **Note:** Includes One Cable for Radio Connectivity		***LIST***
KSGPA23501	406-450MHz, 25W Input, 20-40W Output	1,665.00
KSGPA23503	450-512MHz, 25W Input, 20-40W Output	1,665.00
KSGPA23511	406-450MHz, 25W Input, 50-100W Output	2,165.00
KSGPA23513	450-512MHz, 25W Input, 50-100W Output	2,165.00
KSGPA23541	406-450MHz, 25W Input, 150W Output	3,940.00
KSGPA23543	450-512MHz, 25W Input, 150W Output	3,940.00
POWER SUPPLY OPTIONS		***LIST***
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply **Note**: Incompatible with 150W amplifier option.	475.00
KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger **Note**: Incompatible with 150W amplifier option.	1,355.00
KSGPS20701	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	1,355.00
KSGPS20702	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1,740.00
MOUNTING CONFIGURATIONS		***LIST***
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	1,200.00
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,675.00
KSGMT20020	42" (20RU) Locking Cabinet	2,000.00
KSGMT0C20U	Crate for 42" (20RU) Locking Cabinet **Note:** Optional for situations where extra protection during transportation is required.	345.00
KSGMT20001	Cabinet Solid Top Panel	90.00
KSGMT20002	Cabinet Fan Top Assembly	435.00
KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	140.00
WIRELINE REMOTE CONTROL OPTIONS		***LIST***
KSGTN02A	2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor.	655.00
KSGTN02N	N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling.	670.00
KSGTM20016	16 Channel Tone Termination Panel **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor.	948.75

WIRELINE REMOTE CONTROL OPTIONS		***LIST***
KSGTDC2A	DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order.	410.00
KSGTALD1	600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) **Note:** 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications.	360.00
TRUNKING CONFIGURATIONS		***LIST***
KSGPG91800	Repeater Trunking Feature **Note**: One Feature required for each trunking repeater.	1,500.00
KSGPG91810	Multi-Site Networking Feature **Note**: One required for each of the first five sites to be networked; sites 6 through 16 are available at no additional charge.	11,667.00
KSGPGKEYSM	System Manager Software and Secure USB Key Package (KPG-110SMK, KSGPGKEY01) **Note:** Only required when used as a trunking system. Software/Key package discount has been applied. (See component pricing below.)	583.00
KPG-110SMK	System Manager Trunking Software **Note**: Additional Programming Software (One copy included with KSGPGKEYSM) Software cannot be opened without a valid KSGPGKEY01 or KSGPGKEY02 secure USB key..	459.00
KSGPGKEY01	Grade-1 Unlimited Access Secure USB Programming Key	167.00
KSGPGKEY02	Grade-2 Limited Access Secure USB Programming Key	167.00

USB KEY FUNCTION OR CAPABILITY	GRADE-1 (BLUE)	GRADE-2 (YELLOW)
PROGRAM GENERAL SYSTEM PARAMETERS	√	√
ADD / DELETE / EDIT USERS. TALKGROUPS, CLASSES OF SERVICE, ECT.	√	√
ASSIGN OR EDIT REPEATER NETWORK IP ADDRESSES	√	
ADD NEW REPEATER CHANNEL(S)	√	
SWAP OUT SPARE REPEATERS	√	
CONSTRUCT OR ADD NEW SITES	√	

ETHERNET SWITCH & ROUTER OPTIONS **Note:** One switch is required for each site; VPN router(s) may be required for multi-site systems depending on desired configuration. When needed, VPN router(s) are required in addition to and in conjunction with network switch equipment. Multicast Router options are also available.		***LIST***
KSGNS10008	8-Port Managed Network Switch with Mounting Tray	250.00
KSGNS10024	Rack Mounted 24-Port Managed Network Switch	375.00
KSGRT10004	4-Port Managed VPN Router with Mounting Tray	375.00
EXTERNAL TRUNKING CONTROLLER OPTIONS		***LIST***
KSGC040L	LTR Dispatch Trunking Controller (KSGCT11040, KSGCB30532)	1,590.00
KSGC050L	LTR Dispatch & Interconnect Trunking Controller (KSGCT11050, KSGCB30532)	3,020.00
KSGC452L	LTR Dispatch Trunking Controller (901-9570, KSGCB32801)	1,545.00
KSGC459L	LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)	2,370.00
MISC STATION OPTIONS		***LIST***
KSGDX13546	6 Cavity UHF BpBr Duplexer (450-470MHz Only) **Note**: Bandpass/Bandreject duplexer, 250W continuous duty. Includes one LMR-400 interface cable.	3,095.00
KSGDX23101	4 Cavity UHF BpBr Duplexer (450-470MHz Only) **Note**: Bandpass/Bandreject duplexer, 350W continuous duty. Includes one LMR-400 interface cable.	1,775.00

MISC STATION OPTIONS		***LIST***
KSGOMOD1	Basic Site Management Modem (KSGMD10001, KSGCB22154) **Note**: Modem 2400 bps to be used with LTR controllers, includes interface cable.	255.00
KSGOMOD2	High Performance Site Management Modem (KSGMD20000, KSGCB22154) **Note**: Modem 2400 bps, extra stability in high RF environments, includes interface cable.	1,215.00
KSGSNV12	Signal-to-Noise Modular Voting Comparator **Note:** 19" rack mount; occupies 3RU. Order Station Module Cards below.	8,000.00
KSGVOT2A	Station Module Card for Signal-to-Noise Voter (SVM-2)	1,530.00
KSGOPTG1	Pilot Tone Generator and Line Driver (PTG-10) **Note:** For use with voting systems, supplies 600 Ohm balanced 2-wire audio.	885.00
COMPONENTS		***LIST***
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	720.00
KSGMT0C03R	Crate for 3' Rack	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	650.00
KSGMT0C07R	Crate for 7' Rack	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	2,155.00
KSGMT0C40U	Crate for 40U Cabinet	520.00
KSGTM10012	Panel, Tone Term, 2 ch., no case, full dup, 2 or 4 wire, w/monitor	560.00
KSGTM10TCS	Case, Tone Term Panel	65.00
KSGCB32801	Cable, Interface, Tone to '50	30.00
KSGTM10060	Panel, Tone Term (N-Series), 2 ch., no case, full dup, 2 or 4 wire, w/monitor	570.00
KSGTM20TCS	Case, Tone Term Panel (N-Series)	70.00
KSGTM10003	Term panel, DC, 2ch, 2/4-wire, full duplex	315.00
KSGTM10021	600 Ohm Balanced Line Driver	265.00
KSGCT11040	Controller, Dispatch Trunking (Trident Raider)	1,550.00
KSGCB30532	Cable, 32", DB-25 Male (Controller) to DB-25 Male(Repeater)	40.00
KSGCT11050	Controller, Dispatch Trunking with Interconnect (Trident Maurader)	2,980.00
901-9570	Controller, Dispatch Trunking (Zetron Model 452)	1,515.00
905-0123	Controller, Dispatch Trunking with Interconnect (Zetron Model 459)	2,340.00
KSGMD10001	Modem, USR	215.00
KSGCB22154	Cable,54",DB-9 Female (Controller) to DB-25 Male(Modem)	40.00
KSGMD20000	Modem, Tuff, with power cable and interface cable	1,175.00
KSGUT10001	1RU Mounting Tray **Note**: Provides mounting space for up to two accessories.	50.00

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NXR-810

Base Stations and Repeaters 400 - 520 MHz

GENERAL: NXR-810 UHF Repeaters and Base Stations are integrated systems. The NXR-810 repeater occupies 2 RU and may be used as a standalone 25 W continuous or 40W intermittent duty station or with an external power amplifier. The NXR-810 can be programmed to operate in the analog mode at 25 KHz or 12.5 KHz, and in the digital mode at 12.5 KHz or 6.25 KHz.
OPTIONS: Station options include external amplifiers with built-in T/R antenna switching for simplex operation, wire line remote control, and power supply options such as integrated SmartCharger and Low Voltage Disconnect for battery backup applications. High performance 4 and 6 cavity BpBr duplexers are also listed, while multi-channel combining systems are quoted on an individual system basis. Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks. Amplifier choices include 40W, 100W or 150W options. Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details.

NXR-810 REPEATER		***LIST***
NXR-810K	Repeater, Digital, UHF, 450-520MHz, 1-40W	2,150.00
NXR-810K2	Repeater, Digital, UHF, 400-470MHz, 1-40W	2,150.00
BASIC ACCESSORIES		***LIST***
KSGCB60004	NXR-Series Programming Cable	25.00
KPG-129DNK	Repeater Programming Software	103.25
KPG-149RM	Nexedge Repeater Monitoring Software	250.00
B51-8902-00	NXR-810 Service Manual	50.00
KTI-3M	Network Interface Unit - Required for Conv. IP Networking Functionality	265.00
KWD-NX10VTR	Voting System Option	500.00
RF BASE STATION AMPLIFIER OPTIONS **Note:** Includes Two Cables for Radio Connectivity		***LIST***
KSGPA23421	406-450MHz, 3W Input, 20-40W Output	1,950.00
KSGPA23423	450-512MHz, 3W Input, 20-40W Output	1,950.00
KSGPA23400	406-450MHz, 3W Input, 50-100W Output	2,600.00
KSGPA23420	450-512MHz, 3W Input, 50-100W Output	2,600.00
KSGPA23451	406-450MHz, 3W Input, 150W Output	4,560.00
KSGPA23453	450-512MHz, 3W Input, 150W Output	4,560.00
KSGPA23521	406-450MHz, 25W Input, 20-40W Output	1,950.00
KSGPA23523	450-512MHz, 25W Input, 20-40W Output	1,950.00
KSGPA23500	406-450MHz, 25W Input, 50-100W Output	2,600.00
KSGPA23520	450-512MHz, 25W Input, 50-100W Output	2,600.00
KSGPA23551	406-450MHz, 25W Input, 150W Output	4,560.00
KSGPA23553	450-512MHz, 25W Input, 150W Output	4,560.00
RF REPEATER STATION AMPLIFIER OPTIONS **Note:** Includes One Cable for Radio Connectivity		***LIST***
KSGPA23401	406-450MHz, 3W Input, 20-40W Output	1,665.00
KSGPA23403	450-512MHz, 3W Input, 20-40W Output	1,665.00
KSGPA23411	406-450MHz, 3W Input, 50-100W Output	2,165.00
KSGPA23413	450-512MHz, 3W Input, 50-100W Output	2,165.00
KSGPA23441	406-450MHz, 3W Input, 150W Output	3,940.00
KSGPA23443	450-512MHz, 3W Input, 150W Output	3,940.00
KSGPA23501	406-450MHz, 25W Input, 20-40W Output	1,665.00
KSGPA23503	450-512MHz, 25W Input, 20-40W Output	1,665.00

RF REPEATER STATION AMPLIFIER OPTIONS **Note:** Includes One Cable for Radio Connectivity		***LIST***
KSGPA23511	406-450MHz, 25W Input, 50-100W Output	2,165.00
KSGPA23513	450-512MHz, 25W Input, 50-100W Output	2,165.00
KSGPA23541	406-450MHz, 25W Input, 150W Output	3,940.00
KSGPA23543	450-512MHz, 25W Input, 150W Output	3,940.00
POWER SUPPLY OPTIONS		***LIST***
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply **Note**: Incompatible with 150W amplifier option.	475.00
KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger **Note**: Incompatible with 150W amplifier option.	1,355.00
KSGPS20701	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	1,355.00
KSGPS20702	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1,740.00
MOUNTING CONFIGURATIONS		***LIST***
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	1,200.00
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,675.00
KSGMT20020	42" (20RU) Locking Cabinet	2,000.00
KSGMT0C20U	Crate for 42" (20RU) Locking Cabinet **Note:** Optional for situations where extra protection during transportation is required.	345.00
KSGMT20001	Cabinet Solid Top Panel	90.00
KSGMT20002	Cabinet Fan Top Assembly	435.00
KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	140.00
WIRELINE REMOTE CONTROL OPTIONS		***LIST***
KSGTN02A	2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor.	655.00
KSGTN02N	N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling.	670.00
KSGTN10A	10 Channel BCD Tone Termination Panel (KSGTM10010, KSGBCDCASE, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor.	920.00
KSGTM20016	16 Channel Tone Termination Panel **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor.	948.75
KSGTDC2A	DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order.	410.00
KSGTALD1	600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) **Note:** 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications.	360.00
ETHERNET SWITCH & ROUTER OPTIONS		***LIST***
KSGNS10008	8-Port Managed Network Switch with Mounting Tray	250.00
KSGNS10024	Rack Mounted 24-Port Managed Network Switch	375.00
KSGRT10004	4-Port Managed VPN Router with Mounting Tray	375.00
EXTERNAL TRUNKING CONTROLLER OPTIONS		***LIST***
KSGC040L	LTR Dispatch Trunking Controller (KSGCT11040, KSGCB30532)	1,590.00
KSGC050L	LTR Dispatch & Interconnect Trunking Controller (KSGCT11050, KSGCB30532)	3,020.00
KSGC452L	LTR Dispatch Trunking Controller (901-9570, KSGCB32801)	1,545.00
KSGC459L	LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)	3,540.00

MISC STATION OPTIONS		***LIST***
KSGDX13546	6 Cavity UHF BpBr Duplexer (450-470MHz Only) **Note**: Bandpass/Bandreject duplexer, 250W continuous duty. Includes one LMR-400 interface cable.	3,095.00
KSGDX23101	4 Cavity UHF BpBr Duplexer (450-470MHz Only) **Note**: Bandpass/Bandreject duplexer, 350W continuous duty. Includes one LMR-400 interface cable.	1,775.00
KSGOMOD1	Basic Site Management Modem (KSGMD10001, KSGCB22154) **Note**: Modem 2400 bps to be used with LTR controllers, includes interface cable.	255.00
KSGOMOD2	High Performance Site Management Modem (KSGMD20000, KSGCB22154) **Note**: Modem 2400 bps, extra stability in high RF environments, includes interface cable.	1,215.00
KSGSNV12	Signal-to-Noise Modular Voting Comparator **Note:** 19" rack mount; occupies 3RU. Order Station Module Cards below.	8,000.00
KSGVOT2A	Station Module Card for Signal-to-Noise Voter (SVM-2)	1,530.00
KSGOPTG1	Pilot Tone Generator and Line Driver (PTG-10) **Note:** For use with voting systems, supplies 600 Ohm balanced 2-wire audio.	885.00
KSGMS10010	Relay, Antenna, x10 Series, 50W	340.00
COMPONENTS		***LIST***
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	720.00
KSGMT0C03R	Crate for 3' Rack	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	650.00
KSGMT0C07R	Crate for 7' Rack	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	2,155.00
KSGMT0C40U	Crate for 40U Cabinet	520.00
KSGTM10012	Panel, Tone Term, 2 ch., no case, full dup, 2 or 4 wire, w/monitor	560.00
KSGTM10TCS	Case, Tone Term Panel	65.00
KSGCB32801	Cable, Interface, Tone to '50	30.00
KSGTM10060	Panel, Tone Term (N-Series), 2 ch., no case, full dup, 2 or 4 wire, w/monitor	570.00
KSGTM20TCS	Case, Tone Term Panel (N-Series)	70.00
KSGTM10010	Panel, Tone Term, 10 ch., with case, full dup, 2 or 4 wire, w/mon	820.00
KSGBCDCASE	Case, Tone Term Panel	70.00
KSGTM10003	Term panel, DC, 2ch, 2/4-wire, full duplex	315.00
KSGTM10021	600 Ohm Balanced Line Driver	265.00
KSGCT11040	Controller, Dispatch Trunking (Trident Raider)	1,550.00
KSGCB30532	Cable, 32", DB-25 Male (Controller) to DB-25 Male(Repeater)	40.00
KSGCT11050	Controller, Dispatch Trunking with Interconnect (Trident Maurader)	2,980.00
901-9570	Controller, Dispatch Trunking (Zetron Model 452)	1,515.00
905-0123	Controller, Dispatch Trunking with Interconnect (Zetron Model 459)	2,340.00
KSGMD10001	Modem, USR	215.00
KSGCB22154	Cable,54",DB-9 Female (Controller) to DB-25 Male(Modem)	40.00
KSGMD20000	Modem, Tuff, with power cable and interface cable	1,175.00
KSGUT10001	1RU Mounting Tray **Note**: Provides mounting space for up to two accessories.	50.00

NEXEDGE® 800 MHz

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NXR-900

High Performance Repeaters 806 - 825, 851 - 870 MHz

GENERAL: NXR-900 800MHz repeaters are integrated systems. The NXR-900 repeater occupies 1 RU, and is a 360 mW transceiver unit used with an external power amplifier. The NXR-900 can be programmed to operate in the analog mode at 25 KHz or 12.5 KHz, and in the digital mode at 12.5 KHz or 6.25 KHz. Programming information is required to properly configure each system. Please contact your Kenwood Systems Regional Manager for assistance.
OPTIONS: Station options include external amplifiers, wire line remote control, and power supply options such as integrated SmartCharger and Low Voltage Disconnect for battery backup applications. High performance 4 cavity BpBr duplexers are also listed, while multi-channel combining systems are quoted on an individual system basis. Mounting options include 20 U (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks. Amplifier choices include 75W and 130W options. Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details. Options required for trunking include enabling of the NXR-900 trunking feature, plus system management software that includes a master USB key & activation file, which hold a license ID unique to each system. Feature-packed System Manager software provides full access to system parameters, permissions, log files, etc. Secondary, restricted-level service keys that manage less critical system parameters are also available. Each trunking system requires an Ethernet switch at each site. Routers are optional for a single-site system but required for multi-site systems. NOTE: Recommended models are listed herein, but most commercially available IP equipment is compatible.

NXR-900 REPEATER (K Model)		***LIST***
NXR-900K	Repeater, Digital, RX 806-825 MHz, TX 821-870 MHz	5,750.00
BANDWIDTH OPTION:		***LIST***
KXK-3M3	6.25KHz "Very Narrow Band" Option High Stability Reference Oscillator **Note**: Only one KXK-3M3 required per site for each 6.25KHz operation.	3,333.00
BASIC ACCESSORIES		***LIST***
KSGCB60004	NXR-Series Programming Cable	25.00
KPG-46UM	Programming Cable (USB)	158.50
KPG-109DNK	Repeater Programming Software	103.25
KPG-111DNK	NX-Series Subscriber Programming Software	103.25
KPG-149RM	Nexedge Repeater Monitoring Software	250.00
B51-8946-00	NXR-900 Service Manual	50.00
KMC-9C	Desktop Microphone	86.00
KMC-35	Standard Mobile Microphone	52.50
RF REPEATER STATION AMPLIFIER OPTIONS **Note:** Includes One Cable for Radio Connectivity		***LIST***
KSGPA24181	764-870MHz, 250mW Input, 75W Output	2,900.00
KSGPA24131	764-870MHz, 250mW Input, 130W Output	3,830.00
POWER SUPPLY OPTIONS		***LIST***
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply **Note**: Incompatible with 130W amplifier option.	475.00
KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger **Note**: Incompatible with 130W amplifier option.	1,355.00
KSGPS20701	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	1,355.00
KSGPS20702	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1,740.00
MOUNTING CONFIGURATIONS		***LIST***
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	1,200.00

MOUNTING CONFIGURATIONS		***LIST***
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,675.00
KSGMT20020	42" (20RU) Locking Cabinet	2,000.00
KSGMT0C20U	Crate for 42" (20RU) Locking Cabinet **Note:** Optional for situations where extra protection during transportation is required.	345.00
KSGMT20001	Cabinet Solid Top Panel	90.00
KSGMT20002	Cabinet Fan Top Assembly	435.00
KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	140.00
WIRELINE REMOTE CONTROL OPTIONS		***LIST***
KSGTN02A	2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor.	655.00
KSGTN02N	N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling.	670.00
KSGTDC2A	DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order.	410.00
KSGTALD1	600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) **Note:** 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications.	360.00
TRUNKING CONFIGURATIONS		***LIST***
KSGPG91800	Repeater Trunking Feature **Note**: One Feature required for each trunking repeater.	1,500.00
KSGPG91810	Multi-Site Networking Feature **Note**: One required for each of the first five sites to be networked; sites 6 through 16 are available at no additional charge.	11,667.00
KSGPGKEYSM	System Manager Software and Secure USB Key Package (KPG-110SMK, KSGPGKEY01) **Note:** Only required when used as a trunking system. Software/Key package discount has been applied. (See component pricing below.)	583.00
KPG-110SMK	System Manager Trunking Software **Note**: Additional Programming Software (One copy included with KSGPGKEYSM) Software cannot be opened without a valid KSGPGKEY01 or KSGPGKEY02 secure USB key..	459.00
KSGPGKEY01	Grade-1 Unlimited Access Secure USB Programming Key	167.00
KSGPGKEY02	Grade-2 Limited Access Secure USB Programming Key	167.00

USB KEY FUNCTION OR CAPABILITY	**GRADE-1 (BLUE)**	**GRADE-2 (YELLOW)**
PROGRAM GENERAL SYSTEM PARAMETERS	√	√
ADD / DELETE / EDIT USERS. TALKGROUPS, CLASSES OF SERVICE, ECT.	√	√
ASSIGN OR EDIT REPEATER NETWORK IP ADDRESSES	√	
ADD NEW REPEATER CHANNEL(S)	√	
SWAP OUT SPARE REPEATERS	√	
CONSTRUCT OR ADD NEW SITES	√	

ETHERNET SWITCH & ROUTER OPTIONS **Note:** One switch is required for each site; VPN router(s) may be required for multi-site systems depending on desired configuration. When needed, VPN router(s) are required in addition to and in conjunction with network switch equipment. Multicast Router options are also available.		***LIST***
KSGNS10008	8-Port Managed Network Switch with Mounting Tray	250.00
KSGNS10024	Rack Mounted 24-Port Managed Network Switch	375.00
KSGRT10004	4-Port Managed VPN Router with Mounting Tray	375.00

EXTERNAL TRUNKING CONTROLLER OPTIONS		***LIST***
KSGC040L	LTR Dispatch Trunking Controller (KSGCT11040, KSGCB30532)	1,590.00
KSGC050L	LTR Dispatch & Interconnect Trunking Controller (KSGCT11050, KSGCB30532)	3,020.00
KSGC452L	LTR Dispatch Trunking Controller (901-9570, KSGCB32801)	1,545.00
KSGC459L	LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)	2,370.00
MISC STATION OPTIONS		***LIST***
KSGDX14644	4 Cavity 800MHz BpBr Duplexer **Note**: Bandpass/Bandreject duplexer, 250W continuous duty, minimum TX-RX 5MHz. Includes RF cables, mounting and tuning. Includes one LMR-400 interface cable.	2,325.00
KSGOMOD1	Basic Site Management Modem (KSGMD10001, KSGCB22154) **Note**: Modem 2400 bps to be used with LTR controllers, includes interface cable.	255.00
KSGOMOD2	High Performance Site Management Modem (KSGMD20000, KSGCB22154) **Note:** Modem 2400 bps, extra stability in high RF environments, includes interface cable.	1,215.00
KSGSNV12	Signal-to-Noise Modular Voting Comparator **Note:** 19" rack mount; occupies 3RU. Order Station Module Cards below.	8,000.00
KSGVOT2A	Station Module Card for Signal-to-Noise Voter (SVM-2)	1,530.00
KSGOPTG1	Pilot Tone Generator and Line Driver (PTG-10) **Note:** For use with voting systems, supplies 600 Ohm balanced 2-wire audio.	885.00
COMPONENTS		***LIST***
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	720.00
KSGMT0C03R	Crate for 3' Rack	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	650.00
KSGMT0C07R	Crate for 7' Rack	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	2,155.00
KSGMT0C40U	Crate for 40U Cabinet	520.00
KSGTM10012	Panel, Tone Term, 2 ch., no case, full dup, 2 or 4 wire, w/monitor	560.00
KSGTM10TCS	Case, Tone Term Panel	65.00
KSGCB32801	Cable, Interface, Tone to '50	30.00
KSGTM10060	Panel, Tone Term (N-Series), 2 ch., no case, full dup, 2 or 4 wire, w/monitor	570.00
KSGTM20TCS	Case, Tone Term Panel (N-Series)	70.00
KSGTM10003	Term panel, DC, 2ch, 2/4-wire, full duplex	315.00
KSGTM10021	600 Ohm Balanced Line Driver	265.00
KSGCT11040	Controller, Dispatch Trunking (Trident Raider)	1,550.00
KSGCB30532	Cable, 32", DB-25 Male (Controller) to DB-25 Male(Repeater)	40.00
KSGCT11050	Controller, Dispatch Trunking with Interconnect (Trident Maurader)	2,980.00
901-9570	Controller, Dispatch Trunking (Zetron Model 452)	1,515.00
905-0123	Controller, Dispatch Trunking with Interconnect (Zetron Model 459)	2,340.00
KSGMD10001	Modem, USR	215.00
KSGCB22154	Cable,54",DB-9 Female (Controller) to DB-25 Male(Modem)	40.00
KSGMD20000	Modem, Tuff, with power cable and interface cable	1,175.00
KSGUT10001	1RU Mounting Tray **Note**: Provides mounting space for up to two accessories.	50.00

NEXEDGE® 900 MHz

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NXR-901

High Performance Repeaters 896 - 902; 935 - 941 MHz

GENERAL: NXR-901 900MHz repeaters are integrated systems. The NXR-901 repeater occupies 1 RU, and is a 360 mW transceiver unit used with an external power amplifier. The NXR-901 can be programmed to operate in the analog mode at 12.5 KHz, and in the digital mode at 12.5 KHz or 6.25 KHz. Programming information is required to properly configure each system. Please contact your Kenwood Systems Regional Manager for assistance.
OPTIONS: Station options include external amplifiers, wire line remote control, and power supply options such as integrated SmartCharger and Low Voltage Disconnect for battery backup applications. High performance 4 cavity BpBr duplexers are also listed, while multi-channel combining systems are quoted on an individual system basis. Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks. Amplifier choices include 75W and 130W options. Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details. Options required for trunking include enabling of the NXR-901 trunking feature, plus system management software that includes a master USB key & activation file, which hold a license ID unique to each system. Feature-packed System Manager software provides full access to system parameters, permissions, log files, etc. Secondary, restricted-level service keys that manage less critical system parameters are also available. Each trunking system requires an Ethernet switch at each site. Routers are optional for a single-site system but required for multi-site systems. NOTE: Recommended models are listed herein, but most commercially available IP equipment is compatible.

NXR-901 REPEATER (K Model)		***LIST***
NXR-901K	Repeater, Digital, RX 896-902MHz, TX 935-941MHz	5,750.00
BANDWIDTH OPTION:		***LIST***
KXK-3M3	"Very Narrow Band" Option High Stability Reference Oscillator **Note**: Only one KXK-3M3 required per site for 12.5KHz or 6.25KHz operation.	3,333.00
BASIC ACCESSORIES		***LIST***
KSGCB60004	NXR-Series Programming Cable	25.00
KPG-46UM	Programming Cable (USB)	158.50
KPG-109DNK	Repeater Programming Software	103.25
KPG-111DNK	NX-Series Subscriber Programming Software	103.25
KPG-149RM	Nexedge Repeater Monitoring Software	250.00
B53-7004-00	NXR-901 Service Manual	50.00
KMC-9C	Desktop Microphone	86.00
KMC-35	Standard Mobile Microphone	52.50
RF REPEATER STATION AMPLIFIER OPTIONS **Note:** Includes One Cable for Radio Connectivity		***LIST***
KSGPA25172	928-943MHz, 250mW Input, 75W Output	2,900.00
KSGPA25132	935-940MHz, 250mW Input, 130W Output	3,830.00
POWER SUPPLY OPTIONS		***LIST***
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply **Note**: Incompatible with 130W amplifier option.	475.00
KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger **Note**: Incompatible with 130W amplifier option.	1,355.00
KSGPS20701	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	1,355.00
KSGPS20702	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1,740.00
MOUNTING CONFIGURATIONS		***LIST***
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	1,200.00

MOUNTING CONFIGURATIONS		***LIST***
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,675.00
KSGMT20020	42" (20RU) Locking Cabinet	2,000.00
KSGMT0C20U	Crate for 42" (20RU) Locking Cabinet **Note:** Optional for situations where extra protection during transportation is required.	345.00
KSGMT20001	Cabinet Solid Top Panel	90.00
KSGMT20002	Cabinet Fan Top Assembly	435.00
KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	140.00
WIRELINE REMOTE CONTROL OPTIONS		***LIST***
KSGTN02A	2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor.	655.00
KSGTN02N	N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling.	670.00
KSGTDC2A	DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order.	410.00
KSGTALD1	600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) **Note:** 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications.	360.00
ETHERNET SWITCH & ROUTER OPTIONS **Note:** One switch is required for each site; VPN router(s) may be required for multi-site systems depending on desired configuration. When needed, VPN router(s) are required in addition to and in conjunction with network switch equipment. Multicast Router options are also available.		***LIST***
KSGNS10008	8-Port Managed Network Switch with Mounting Tray	250.00
KSGNS10024	Rack Mounted 24-Port Managed Network Switch	375.00
KSGRT10004	4-Port Managed VPN Router with Mounting Tray	375.00
INTERNAL TRUNKING AND NETWORKING OPTIONS		***LIST***
KSGPG91800	Repeater Trunking Feature **Note**: One Feature required for each trunking repeater.	1,500.00
KSGPG91810	Multi-Site Networking Feature **Note**: One required for each of the first five sites to be networked; sites 6 through 16 are available at no additional charge.	11,667.00
KSGPGKEYSM	System Manager Software and Secure USB Key Package (KPG-110SMK, KSGPGKEY01) **Note:** Only required when used as a trunking system. Software/Key package discount has been applied. (See component pricing below.)	583.00
KPG-110SMK	System Manager Trunking Software **Note**: Additional Programming Software (One copy included with KSGPGKEYSM) Software cannot be opened without a valid KSGPGKEY01 or KSGPGKEY02 secure USB key..	459.00
KSGPGKEY01	Grade-1 Unlimited Access Secure USB Programming Key	167.00
KSGPGKEY02	Grade-2 Limited Access Secure USB Programming Key	167.00

USB KEY FUNCTION OR CAPABILITY	**GRADE-1 (BLUE)**	**GRADE-2 (YELLOW)**
PROGRAM GENERAL SYSTEM PARAMETERS	√	√
ADD / DELETE / EDIT USERS. TALKGROUPS, CLASSES OF SERVICE, ECT.	√	√
ASSIGN OR EDIT REPEATER NETWORK IP ADDRESSES	√	
ADD NEW REPEATER CHANNEL(S)	√	
SWAP OUT SPARE REPEATERS	√	
CONSTRUCT OR ADD NEW SITES	√	

EXTERNAL TRUNKING CONTROLLER OPTIONS		***LIST***
KSGC040L	LTR Dispatch Trunking Controller (KSGCT11040, KSGCB30532)	1,590.00
KSGC050L	LTR Dispatch & Interconnect Trunking Controller (KSGCT11050, KSGCB30532)	3,020.00
KSGC452L	LTR Dispatch Trunking Controller (901-9570, KSGCB32801)	1,545.00
KSGC459L	LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)	2,370.00
MISC STATION OPTIONS		***LIST***
KSGDX15044	4 Cavity 900MHz BpBr Duplexer **Note**: Bandpass/Bandreject duplexer, 250W continuous duty, minimum TX-RX 5MHz. Includes RF cables, mounting and tuning. Includes one LMR-400 interface cable.	2,325.00
KSGOMOD1	Basic Site Management Modem (KSGMD10001, KSGCB22154) **Note**: Modem 2400 bps to be used with LTR controllers, includes interface cable.	255.00
KSGOMOD2	High Performance Site Management Modem (KSGMD20000, KSGCB22154) **Note:** Modem 2400 bps, extra stability in high RF environments, includes interface cable.	1,215.00
KSGSNV12	Signal-to-Noise Modular Voting Comparator **Note:** 19" rack mount; occupies 3RU. Order Station Module Cards below.	8,000.00
KSGVOT2A	Station Module Card for Signal-to-Noise Voter (SVM-2)	1,530.00
KSGOPTG1	Pilot Tone Generator and Line Driver (PTG-10) **Note:** For use with voting systems, supplies 600 Ohm balanced 2-wire audio.	885.00
COMPONENTS		***LIST***
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	720.00
KSGMT0C03R	Crate for 3' Rack	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	650.00
KSGMT0C07R	Crate for 7' Rack	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	2,155.00
KSGMT0C40U	Crate for 40U Cabinet	520.00
KSGTM10012	Panel, Tone Term, 2 ch., no case, full dup, 2 or 4 wire, w/monitor	560.00
KSGTM10TCS	Case, Tone Term Panel	65.00
KSGCB32801	Cable, Interface, Tone to '50	30.00
KSGTM10060	Panel, Tone Term (N-Series), 2 ch., no case, full dup, 2 or 4 wire, w/monitor	570.00
KSGTM20TCS	Case, Tone Term Panel (N-Series)	70.00
KSGTM10003	Term panel, DC, 2ch, 2/4-wire, full duplex	315.00
KSGTM10021	600 Ohm Balanced Line Driver	265.00
KSGCT11040	Controller, Dispatch Trunking (Trident Raider)	1,550.00
KSGCB30532	Cable, 32", DB-25 Male (Controller) to DB-25 Male(Repeater)	40.00
KSGCT11050	Controller, Dispatch Trunking with Interconnect (Trident Maurader)	2,980.00
901-9570	Controller, Dispatch Trunking (Zetron Model 452)	1,515.00
905-0123	Controller, Dispatch Trunking with Interconnect (Zetron Model 459)	2,340.00
KSGMD10001	Modem, USR	215.00
KSGCB22154	Cable,54",DB-9 Female (Controller) to DB-25 Male(Modem)	40.00
KSGMD20000	Modem, Tuff, with power cable and interface cable	1,175.00
KSGUT10001	1RU Mounting Tray **Note**: Provides mounting space for up to two accessories.	50.00

TKB-6900 Series

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Low Band Conventional Simplex Base Stations (29.7 - 50 MHz)

GENERAL: TKB-6900 Series Low Band Base Stations are built around the TK-690 high performance 110W radio. The TK-690 transceiver is mounted in a 2 RU tray. Equipment may be mounted in a cabinet enclosure or open rack, and may be used either by itself (50W continuous duty or 110W at 20% duty cycle) or as a driver for an external continuous duty RF amplifier (100W or 250W).
OPTIONS: Power supply options include battery backup with integrated SmartCharger and Low Voltage Disconnect. Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks. T-R simplex antenna switching is included in the basic unit as well as in all external amplifiers. Other configurations are also available on a special order basis; please contact your Kenwood Systems Regional Sales Manager for more details.

RADIO PACKAGES		***LIST***
TKB6900SK1	29.7-37.0MHz (TK-690HBK, KCH-10, KCT-23M2, KSGUT50002)	1,336.75
TKB6900SK2	35.0-43.0MHz (TK-690HBK2, KCH-10, KCT-23M2, KSGUT50002)	1,336.75
TKB6900SK3	40.0-50.0MHz (TK-690HBK3, KCH-10, KCT-23M2, KSGUT50002)	1,336.75
BASIC ACCESSORIES		***LIST***
KPG-43UM	Programming Cable	158.50
KPG-44DNK	Programming Software	68.50
B51-8460-10	TK-690 Service Manual	50.00
RF AMPLIFIER OPTIONS **Note:** Includes One Cable for Radio Connectivity		***LIST***
KSGPA21101	30-36MHz, 50W Input, 100W Output	2,725.00
KSGPA21102	36-42MHz, 50W Input, 100W Output	2,725.00
KSGPA21103	42-50MHz, 50W Input, 100W Output	2,725.00
KSGPA21251	30-36MHz, 50W Input, 250W Output	4,675.00
KSGPA21252	36-42MHz, 50W Input, 250W Output	4,675.00
KSGPA21253	42-50MHz, 50W Input, 250W Output	4,675.00
POWER SUPPLY OPTIONS		***LIST***
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply **Note:** Incompatible with 250W amplifier option.	475.00
KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger **Note:** Incompatible with 250W amplifier option.	1,355.00
KSGPS20701	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	1,355.00
KSGPS20702	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1,740.00
MOUNTING CONFIGURATIONS		***LIST***
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	1,200.00
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,675.00
KSGMT20020	42" (20RU) Locking Cabinet	2,000.00
KSGMT0C20U	Crate for 42" (20RU) Locking Cabinet **Note:** Optional for situations where extra protection during transportation is required.	345.00
KSGMT20001	Cabinet Solid Top Panel	90.00
KSGMT20002	Cabinet Fan Top Assembly	435.00
KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	140.00

WIRELINE REMOTE CONTROL OPTIONS		***LIST***
KSGTN02A	2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor.	655.00
KSGTN02N	N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling.	670.00
KSGTN10A	10 Channel BCD Tone Termination Panel (KSGTM10010, KSGBCDCASE, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor.	920.00
KSGTM20016	16 Channel Tone Termination Panel **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor.	948.75
KSGTDC2A	DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order.	410.00
KSGTALD1	600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) **Note:** 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications.	360.00
MISC STATION OPTIONS		***LIST***
KSGSNV12	Signal-to-Noise Modular Voting Comparator **Note:** 19" rack mount; occupies 3RU. Order Station Module Cards below.	8,000.00
KSGVOT2A	Station Module Card for Signal-to-Noise Voter (SVM-2)	1,530.00
KSGOPTG1	Pilot Tone Generator and Line Driver (PTG-10) **Note:** For use with voting systems, supplies 600 Ohm balanced 2-wire audio.	885.00
KSGOCWID	CWID Morse Code Generator **Note:** Specify call sign at time of order	135.00
COMPONENTS		***LIST***
TK-690HBK	Radio, Mobile, 29.7-37.0 MHz, 110w, 160 Ch (R.F. Deck Only)	1,071.00
TK-690HBK2	Radio, Mobile, 35.0-43.0 MHz, 110w, 160 Ch (R.F. Deck Only)	1,071.00
TK-690HBK3	Radio, Mobile, 40.0-50.0 MHz, 110w, 160 Ch (R.F. Deck Only)	1,071.00
KCH-10	Basic Control Panel, 90-Series	147.00
KCT-23M2	10' Cable, DC for High-Power Mobile	38.75
KSGUT50002	2RU Utility Tray for Equipment Mounting	80.00
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	720.00
KSGMT0C03R	Crate for 3' Rack	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	650.00
KSGMT0C07R	Crate for 7' Rack	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	2,155.00
KSGMT0C40U	Crate for 40U Cabinet	520.00
KSGTM10012	Panel, Tone Term, 2 ch., no case, full dup, 2 or 4 wire, w/monitor	560.00
KSGTM10TCS	Case, Tone Term Panel	65.00
KSGCB32801	Cable, Interface, Tone to '50	30.00
KSGTM10060	Panel, Tone Term (N-Series), 2 ch., no case, full dup, 2 or 4 wire, w/monitor	570.00
KSGTM20TCS	Case, Tone Term Panel (N-Series)	70.00
KSGTM10010	Panel, Tone Term, 10 ch., with case, full dup, 2 or 4 wire, w/mon	820.00
KSGBCDCASE	Case, Tone Term Panel	70.00
KSGTM10003	Term panel, DC, 2ch, 2/4-wire, full duplex	315.00
KSGTM10021	600 Ohm Balanced Line Driver	265.00
KSGUT10001	1RU Mounting Tray **Note:** Provides mounting space for up to two accessories	50.00

VHF High Band

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TKR-740

High Performance Base Stations and Repeaters 146 - 162 MHz

Limited Availability

GENERAL: The TKR-740 repeater occupies 1 RU and may be used as a 5W standalone low power station or as a driver for an external power amplifier. A digital POCSAG paging transmitter is built into the TKR-740 repeater; paging terminal is not included.
OPTIONS: Conventional station options include wireline remote control and external RF amplifiers with built-in T-R antenna switching for simplex operation. Trunking system options include external controllers for LTR applications; PassPort systems are available by individual quotation. A high performance 6 cavity BpBr duplexer is listed as an option; multichannel combining systems are quoted on an individual system basis. Power supply options include battery backup with integrated SmartCharger and Low Voltage Disconnect. Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks. Amplifier choices include 50W, 110W, 150W or 250W options. Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details.

TKR-740 REPEATER		***LIST***
TKR-740K	Repeater, VHF, High-Performance 146-162 MHz	3,333.00
BASIC ACCESSORIES		***LIST***
KPG-46UM	Programming Cable	158.50
KPG-47DNK	Programming Software	68.50
B51-8505-10	TKR-740 Service Manual	50.00
L-8000	Circuit Modification Required for use with Passport-NTS Protocol	160.00
RF BASE STATION AMPLIFIER OPTIONS **Note:** Includes Two Cables for Radio Connectivity		***LIST***
KSGPA22423	136-174MHz, 3W Input, 25-50W Output	1,990.00
KSGPA22410	144-152MHz, 3W Input, 55-110W Output	2,505.00
KSGPA22420	152-162MHz, 3W Input, 55-110W Output	2,505.00
KSGPA22452	144-152MHz, 3W Input, 150W Output	3,720.00
KSGPA22453	152-162MHz, 3W Input, 150W Output	3,720.00
KSGPA22258	152-162MHz, 3w Input, 250W Output	4,600.00
RF REPEATER STATION AMPLIFIER OPTIONS **Note:** Includes One Cable for Radio Connectivity		***LIST***
KSGPA22403	136-174MHz, 3W Input, 25-50W Output	1,665.00
KSGPA22412	144-152MHz, 3W Input, 55-110W Output	2,160.00
KSGPA22413	152-162MHz, 3W Input, 55-110W Output	2,160.00
KSGPA22442	144-152MHz, 3W Input, 150W Output	3,060.00
KSGPA22443	152-162MHz, 3W Input, 150W Output	3,060.00
KSGPA22253	152-162MHz, 3W Input, 250W Output	4,060.00
POWER SUPPLY OPTIONS		***LIST***
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply **Note:** Incompatible with 150W or 250W amplifier options.	475.00
KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger **Note:** Incompatible with 150W or 250W amplifier options.	1,355.00
KSGPS20701	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	1,355.00
KSGPS20702	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1,740.00
MOUNTING CONFIGURATIONS		***LIST***
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	1,200.00
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,675.00
KSGMT20020	42" (20RU) Locking Cabinet	2,000.00

MOUNTING CONFIGURATIONS		***LIST***
KSGMT0C20U	Crate for 42" (20RU) Locking Cabinet **Note:** Optional for situations where extra protection during transportation is required.	345.00
KSGMT20001	Cabinet Solid Top Panel	90.00
KSGMT20002	Cabinet Fan Top Assembly	435.00
KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	140.00
WIRELINE REMOTE CONTROL OPTIONS		***LIST***
KSGTN02A	2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor.	655.00
KSGTN02N	N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) **Note**: 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling.	670.00
KSGTM20016	16 Channel Tone Termination Panel **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor.	948.75
KSGTDC2A	DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order.	410.00
KSGTALD1	600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) **Note:** 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications.	360.00
EXTERNAL TRUNKING CONTROLLER OPTIONS		***LIST***
KSGC040L	LTR Dispatch Trunking Controller (KSGCT11040, KSGCB30532)	1,590.00
KSGC050L	LTR Dispatch & Interconnect Trunking Controller (KSGCT11050, KSGCB30532)	3,020.00
KSGC452L	LTR Dispatch Trunking Controller (901-9570, KSGCB32801)	1,545.00
KSGC459L	LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)	2,370.00
MISC STATION OPTIONS		***LIST***
KSGDX12556	6 Cavity VHF BpBr Duplexer **Note**: Bandpass/Bandreject duplexer, 350W continuous duty, minimum TX-RX 400 KHz. Includes one LMR-400 interface cable.	3,095.00
KSGOMOD1	Basic Site Management Modem (KSGMD10001, KSGCB22154) **Note**: Modem 2400 bps to be used with LTR controllers, includes interface cable.	255.00
KSGOMOD2	High Performance Site Management Modem (KSGMD20000, KSGCB22154) **Note**: Modem 2400 bps, extra stability in high RF environments, includes interface cable.	1,215.00
KSGSNV12	Signal-to-Noise Modular Voting Comparator **Note:** 19" rack mount; occupies 3RU. Order Station Module Cards below.	8,000.00
KSGVOT2A	Station Module Card for Signal-to-Noise Voter (SVM-2)	1,530.00
KSGOPTG1	Pilot Tone Generator and Line Driver (PTG-10) **Note:** For use with voting systems, supplies 600 Ohm balanced 2-wire audio.	885.00
KSGMS10040	Relay, Antenna, x40 Series, 5W	340.00
COMPONENTS		***LIST***
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	720.00
KSGMT0C03R	Crate for 3' Rack	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	650.00
KSGMT0C07R	Crate for 7' Rack	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	2,155.00
KSGMT0C40U	Crate for 40U Cabinet	520.00
KSGTM10012	Panel, Tone Term, 2 ch., no case, full dup, 2 or 4 wire, w/monitor	560.00
KSGTM10TCS	Case, Tone Term Panel	65.00
KSGCB32801	Cable, Interface, Tone to '50	30.00
KSGTM10060	Panel, Tone Term (N-Series), 2 ch., no case, full dup, 2 or 4 wire, w/monitor	570.00
KSGTM20TCS	Case, Tone Term Panel (N-Series)	70.00
KSGTM10003	Term panel, DC, 2ch, 2/4-wire, full duplex	315.00
KSGTM10021	600 Ohm Balanced Line Driver	265.00

COMPONENTS		LIST
KSGCT11040	Controller, Dispatch Trunking (Trident Raider)	1,550.00
KSGCB30532	Cable, 32", DB-25 Male (Controller) to DB-25 Male(Repeater)	40.00
KSGCT11050	Controller, Dispatch Trunking with Interconnect (Trident Maurader)	2,980.00
901-9570	Controller, Dispatch Trunking (Zetron Model 452)	1,515.00
905-0123	Controller, Dispatch Trunking with Interconnect (Zetron Model 459)	2,340.00
KSGMD10001	Modem, USR	215.00
KSGCB22154	Cable,54",DB-9 Female (Controller) to DB-25 Male(Modem)	40.00
KSGMD20000	Modem, Tuff, with power cable and interface cable	1,175.00
KSGUT10001	1RU Mounting Tray **Note:** Provides mounting space for up to two accessories	50.00

UHF

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TKR-840

High Performance Base Stations and Repeaters 450 - 480 MHz

GENERAL: The TKR-840 repeater occupies 1 RU and may be used as a 5W standalone low power station or as a driver for an external power amplifier. A digital POCSAG paging transmitter are built into the TKR-840 repeater; paging terminal is not included.
OPTIONS: Conventional station options include wireline remote control and external RF amplifiers with built-in T-R antenna switching for simplex operation. Trunking system options include external controllers for LTR applications; PassPort systems are available by individual quotation. High performance 4 and 6 cavity BpBr duplexers are listed as options; multichannel combining systems are quoted on an individual system basis. Power supply options include battery backup with integrated SmartCharger and Low Voltage Disconnect. Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks. Amplifier choices include 40W, 100W or 150W options. Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details.

TKR-840 REPEATER		***LIST***
TKR-840K	Repeater, UHF, High-Performance, 450-480MHz	3,438.00
BASIC ACCESSORIES		***LIST***
KPG-46UM	Programming Cable	158.50
KPG-47DNK	Programming Software	68.50
B51-8506-00	TKR-840 Service Manual	50.00
L-8000	Circuit Modification Required for use with Passport-NTS Protocol	160.00
RF BASE STATION AMPLIFIER OPTIONS **Note:** Includes Two Cables for Radio Connectivity		***LIST***
KSGPA23423	450-512MHz, 3W Input, 20-40W Output	1,950.00
KSGPA23420	450-512MHz, 3W Input, 50-100W Output	2,600.00
KSGPA23453	450-512MHz, 3W Input, 150W Output	4,560.00
RF REPEATER STATION AMPLIFIER OPTIONS **Note:** Includes One Cable for Radio Connectivity		***LIST***
KSGPA23403	450-512MHz, 3W Input, 20-40W Output	1,665.00
KSGPA23413	450-512MHz, 3W Input, 50-100W Output	2,165.00
KSGPA23443	450-512MHz, 3W Input, 150W Output	3,940.00
POWER SUPPLY OPTIONS		***LIST***
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply **Note**: Incompatible with 150W amplifier option.	475.00
KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger **Note**: Incompatible with 150W amplifier option.	1,355.00
KSGPS20701	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	1,355.00
KSGPS20702	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1,740.00
MOUNTING CONFIGURATIONS		***LIST***
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	1,200.00
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,675.00
KSGMT20020	42" (20RU) Locking Cabinet	2,000.00
KSGMT0C20U	Crate for 42" (20RU) Locking Cabinet **Note:** Optional for situations where extra protection during transportation is required.	345.00
KSGMT20001	Cabinet Solid Top Panel	90.00
KSGMT20002	Cabinet Fan Top Assembly	435.00
KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	140.00

WIRELINE REMOTE CONTROL OPTIONS		***LIST***
KSGTN02A	2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor.	655.00
KSGTN02N	N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) **Note**: 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling.	670.00
KSGTM20016	16 Channel Tone Termination Panel **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor.	948.75
KSGTDC2A	DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order.	410.00
KSGTALD1	600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) **Note:** 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications.	360.00
EXTERNAL TRUNKING CONTROLLER OPTIONS		***LIST***
KSGC040L	LTR Dispatch Trunking Controller (KSGCT11040, KSGCB30532)	1,590.00
KSGC050L	LTR Dispatch & Interconnect Trunking Controller (KSGCT11050, KSGCB30532)	3,020.00
KSGC452L	LTR Dispatch Trunking Controller (901-9570, KSGCB32801)	1,545.00
KSGC459L	LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)	2,370.00
MISC STATION OPTIONS		***LIST***
KSGDX13546	6 Cavity UHF BpBr Duplexer (450-470MHz Only) **Note**: Bandpass/Bandreject duplexer, 250W continuous duty. Includes one LMR-400 interface cable.	3,095.00
KSGDX23101	4 Cavity UHF BpBr Duplexer (450-470MHz Only) **Note**: Bandpass/Bandreject duplexer, 350W continuous duty. Includes one LMR-400 interface cable.	1,775.00
KSGOMOD1	Basic Site Management Modem (KSGMD10001, KSGCB22154) **Note**: Modem 2400 bps to be used with LTR controllers, includes interface cable.	255.00
KSGOMOD2	High Performance Site Management Modem (KSGMD20000, KSGCB22154) **Note**: Modem 2400 bps, extra stability in high RF environments, includes interface cable.	1,215.00
KSGSNV12	Signal-to-Noise Modular Voting Comparator **Note:** 19" rack mount; occupies 3RU. Order Station Module Cards below.	8,000.00
KSGVOT2A	Station Module Card for Signal-to-Noise Voter (SVM-2)	1,530.00
KSGOPTG1	Pilot Tone Generator and Line Driver (PTG-10) **Note:** For use with voting systems, supplies 600 Ohm balanced 2-wire audio.	885.00
KSGMS10040	Relay, Antenna, x40 Series, 5W	340.00
COMPONENTS		***LIST***
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	720.00
KSGMT0C03R	Crate for 3' Rack	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	650.00
KSGMT0C07R	Crate for 7' Rack	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	2,155.00
KSGMT0C40U	Crate for 40U Cabinet	520.00
KSGTM10012	Panel, Tone Term, 2 ch., no case, full dup, 2 or 4 wire, w/monitor	560.00
KSGTM10TCS	Case, Tone Term Panel	65.00
KSGCB32801	Cable, Interface, Tone to '50	30.00
KSGTM10060	Panel, Tone Term (N-Series), 2 ch., no case, full dup, 2 or 4 wire, w/monitor	570.00
KSGTM20TCS	Case, Tone Term Panel (N-Series)	70.00
KSGTM10003	Term panel, DC, 2ch, 2/4-wire, full duplex	315.00
KSGTM10021	600 Ohm Balanced Line Driver	265.00
KSGCT11040	Controller, Dispatch Trunking (Trident Raider)	1,550.00
KSGCB30532	Cable, 32", DB-25 Male (Controller) to DB-25 Male(Repeater)	40.00
KSGCT11050	Controller, Dispatch Trunking with Interconnect (Trident Maurader)	2,980.00
901-9570	Controller, Dispatch Trunking (Zetron Model 452)	1,515.00

COMPONENTS		***LIST***
905-0123	Controller, Dispatch Trunking with Interconnect (Zetron Model 459)	2,340.00
KSGMD10001	Modem, USR	215.00
KSGCB22154	Cable,54",DB-9 Female (Controller) to DB-25 Male(Modem)	40.00
KSGMD20000	Modem, Tuff, with power cable and interface cable	1,175.00
KSGUT10001	1RU Mounting Tray **Note:** Provides mounting space for up to two accessories	50.00

VHF High Band

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TKR-750

Base Stations and Repeaters 136 - 174 MHz

GENERAL: TKR-750 VHF High Band Base Stations and Repeaters are integrated systems using TKR-750 repeaters. The TKR-750 repeater occupies 2 RU and may be used as a continuous-duty 25W standalone low power station, a 50W intermittent duty station, or as a driver for an external power amplifier.

OPTIONS: Conventional station options include wireline remote control and external RF amplifiers with built-in T-R antenna switching for simplex operation. Trunking system options include external controllers for LTR applications; PassPort systems are available by individual quotation. A high performance 6 cavity BpBr duplexer is listed as an option; multi-channel combining systems are quoted on an individual system basis. Power supply options include battery backup with integrated SmartCharger and Low Voltage Disconnect. Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks. Amplifier choices include 50W, 110W or 150W options. Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details.

RADIO PACKAGES		***LIST***
TKR-750K	Repeater, VHF, 146-174MHz, 25-50W	1,558.00
TKR-750K2	Repeater, VHF, 136-150MHz, 25-50W	1,558.00
BASIC ACCESSORIES		***LIST***
KPG-46UM	Programming Cable	158.50
KPG-91DNK	Programming Software	103.25
B51-8556-20	TKR-750 Service Manual	50.00
RF BASE AMPLIFIER OPTIONS **Note:** Includes Two Cables for Radio Connectivity		***LIST***
KSGPA22523	136-174MHz, 25W Input, 25-50W Output	1,990.00
KSGPA22500	136-144MHz, 25W Input, 55-110W Output	2,505.00
KSGPA22510	144-152MHz, 25W Input, 55-110W Output	2,505.00
KSGPA22520	152-162MHz, 25W Input, 55-110W Output	2,505.00
KSGPA22530	162-174MHz, 25W Input, 55-110W Output	2,505.00
KSGPA22551	136-144MHz, 25W Input, 150W Output	3,720.00
KSGPA22552	144-152MHz, 25W Input, 150W Output	3,720.00
KSGPA22553	152-162MHz, 25W Input, 150W Output	3,720.00
KSGPA22554	162-174MHz, 25W Input, 150W Output	3,720.00
RF REPEATER AMPLIFIER OPTIONS **Note:** Includes One Cable for Radio Connectivity		***LIST***
KSGPA22503	136-174MHz, 25W Input, 25-50W Output	1,665.00
KSGPA22511	136-144MHz, 25W Input, 55-110W Output	2,160.00
KSGPA22512	144-152MHz, 25W Input, 55-110W Output	2,160.00
KSGPA22513	152-162MHz, 25W Input, 55-110W Output	2,160.00
KSGPA22514	162-174MHz, 25W Input, 55-110W Output	2,160.00
KSGPA22541	136-144MHz, 25W Input, 150W Output	3,060.00
KSGPA22542	144-152MHz, 25W Input, 150W Output	3,060.00
KSGPA22543	152-162MHz, 25W Input, 150W Output	3,060.00
KSGPA22544	162-174MHz, 25W Input, 150W Output	3,060.00
POWER SUPPLY OPTIONS		***LIST***
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply **Note:** Incompatible with 150W or 250W amplifier option.	475.00
KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger **Note:** Incompatible with 150W or 250W amplifier option.	1,355.00

POWER SUPPLY OPTIONS		***LIST***
KSGPS20701	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	1,355.00
KSGPS20702	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1,740.00
MOUNTING CONFIGURATIONS		***LIST***
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	1,200.00
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,675.00
KSGMT20020	42" (20RU) Locking Cabinet	2,000.00
KSGMT0C20U	Crate for 42" (20RU) Locking Cabinet **Note:** Optional for situations where extra protection during transportation is required.	345.00
KSGMT20001	Cabinet Solid Top Panel	90.00
KSGMT20002	Cabinet Fan Top Assembly	435.00
KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	140.00
WIRELINE REMOTE CONTROL OPTIONS		***LIST***
KSGTN02A	2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor.	655.00
KSGTN02N	N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling.	670.00
KSGTN10A	10 Channel BCD Tone Termination Panel (KSGTM10010, KSGBCDCASE, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor.	920.00
KSGTM20016	16 Channel Tone Termination Panel **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor.	948.75
KSGTDC2A	DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order.	410.00
KSGTALD1	600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) **Note:** 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications.	360.00
EXTERNAL TRUNKING CONTROLLER OPTIONS		***LIST***
KSGC040L	LTR Dispatch Trunking Controller (KSGCT11040, KSGCB30532)	1,590.00
KSGC050L	LTR Dispatch & Interconnect Trunking Controller (KSGCT11050, KSGCB30532)	3,020.00
KSGC452L	LTR Dispatch Trunking Controller (901-9570, KSGCB32801)	1,545.00
KSGC459L	LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)	2,370.00
MISC STATION OPTIONS		***LIST***
KSGDX12556	6 Cavity VHF BpBr Duplexer **Note**: Bandpass/Bandreject duplexer, 350W continuous duty, minimum TX-RX 400 KHz. Includes one LMR-400 interface cable.	3,095.00
KSGOMOD1	Basic Site Management Modem (KSGMD10001, KSGCB22154) **Note**: Modem 2400 bps to be used with LTR controllers, includes interface cable.	255.00
KSGOMOD2	High Performance Site Management Modem (KSGMD20000, KSGCB22154) **Note**: Modem 2400 bps, extra stability in high RF environments, includes interface cable.	1,215.00
KSGSNV12	Signal-to-Noise Modular Voting Comparator **Note:** 19" rack mount; occupies 3RU. Order Station Module Cards below.	8,000.00
KSGVOT2A	Station Module Card for Signal-to-Noise Voter (SVM-2)	1,530.00
KSGOPTG1	Pilot Tone Generator and Line Driver (PTG-10) **Note:** For use with voting systems, supplies 600 Ohm balanced 2-wire audio.	885.00
KSGMS10050	Relay, Antenna, x50 Series, 50W	340.00

COMPONENTS		LIST
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	720.00
KSGMT0C03R	Crate for 3' Rack	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	650.00
KSGMT0C07R	Crate for 7' Rack	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	2,155.00
KSGMT0C40U	Crate for 40U Cabinet	520.00
KSGTM10012	Panel, Tone Term, 2 ch., no case, full dup, 2 or 4 wire, w/monitor	560.00
KSGTM10TCS	Case, Tone Term Panel	65.00
KSGCB32801	Cable, Interface, Tone to '50	30.00
KSGTM10060	Panel, Tone Term (N-Series), 2 ch., no case, full dup, 2 or 4 wire, w/monitor	570.00
KSGTM20TCS	Case, Tone Term Panel (N-Series)	70.00
KSGTM10010	Panel, Tone Term, 10 ch., with case, full dup, 2 or 4 wire, w/mon	820.00
KSGBCDCASE	Case, Tone Term Panel	70.00
KSGTM10003	Term panel, DC, 2ch, 2/4-wire, full duplex	315.00
KSGTM10021	600 Ohm Balanced Line Driver	265.00
KSGCT11040	Controller, Dispatch Trunking (Trident Raider)	1,550.00
KSGCB30532	Cable, 32", DB-25 Male (Controller) to DB-25 Male(Repeater)	40.00
KSGCT11050	Controller, Dispatch Trunking with Interconnect (Trident Maurader)	2,980.00
901-9570	Controller, Dispatch Trunking (Zetron Model 452)	1,515.00
905-0123	Controller, Dispatch Trunking with Interconnect (Zetron Model 459)	2,340.00
KSGMD10001	Modem, USR	215.00
KSGCB22154	Cable,54",DB-9 Female (Controller) to DB-25 Male(Modem)	40.00
KSGMD20000	Modem, Tuff, with power cable and interface cable	1,175.00
KSGUT10001	1RU Mounting Tray **Note:** Provides mounting space for up to two accessories	50.00

UHF

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TKR-850

Base Stations and Repeaters 400 - 512 MHz

GENERAL: TKR-850 UHF Base Stations and Repeaters are integrated systems using TKR-850 repeaters. The TKR-850 repeater occupies 2 RU and may be used as a continuous-duty 25W, standalone low power station, a 50W intermittent duty station, or as a driver for an external power amplifier.
OPTIONS: Conventional station options include wireline remote control and external RF amplifiers with built-in T-R antenna switching for simplex operation. Trunking system options include external controllers for LTR applications; PassPort systems are available by individual quotation. High performance 4 and 6 cavity BpBr duplexers are listed as options; multichannel combining systems are quoted on an individual system basis. Power supply options include battery backup with integrated SmartCharger and Low Voltage Disconnect. Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks. Amplifier choices include 40W, 100W or 150W options. Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details.

TKR-850 REPEATER		***LIST***
TKR-850K	Repeater, UHF, 450-480MHz, 25-40W	1,663.00
TKR-850K2	Repeater, UHF, 480-512MHz, 25-40W	1,663.00
TKR-850K3	Repeater, UHF, 400-430MHz, 25-40W	1,663.00
BASIC ACCESSORIES		***LIST***
KPG-46UM	Programming Cable	158.50
KPG-91DNK	Programming Software	103.25
B51-8557-30	TRK-850 Service Manual	50.00
RF BASE STATION AMPLIFIER OPTIONS **Note:** Includes Two Cables for Radio Connectivity		***LIST***
KSGPA23521	406-450MHz, 25W Input, 20-40W Output	1,950.00
KSGPA23523	450-512MHz, 25W Input, 20-40W Output	1,950.00
KSGPA23500	406-450MHz, 25W Input, 50-100W Output	2,600.00
KSGPA23520	450-512MHz, 25W Input, 50-100W Output	2,600.00
KSGPA23551	406-450MHz, 25W Input, 150W Output	4,560.00
KSGPA23553	450-512MHz, 25W Input, 150W Output	4,560.00
RF REPEATER STATION AMPLIFIER OPTIONS **Note:** Includes One Cable for Radio Connectivity		***LIST***
KSGPA23501	406-450MHz, 25W Input, 20-40W Output	1,665.00
KSGPA23503	450-512MHz, 25W Input, 20-40W Output	1,665.00
KSGPA23511	406-450MHz, 25W Input, 50-100W Output	2,165.00
KSGPA23513	450-512MHz, 25W Input, 50-100W Output	2,165.00
KSGPA23541	406-450MHz, 25W Input, 150W Output	3,940.00
KSGPA23543	450-512MHz, 25W Input, 150W Output	3,940.00
POWER SUPPLY OPTIONS		***LIST***
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply **Note:** Incompatible with 150W or 250W amplifier option.	475.00
KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger **Note:** Incompatible with 150W or 250W amplifier option.	1,355.00
KSGPS20701	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	1,355.00
KSGPS20702	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1,740.00
MOUNTING CONFIGURATIONS		***LIST***
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	1,200.00
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,675.00

MOUNTING CONFIGURATIONS		***LIST***
KSGMT20020	42" (20RU) Locking Cabinet	2,000.00
KSGMT0C20U	Crate for 42" (20RU) Locking Cabinet **Note:** Optional for situations where extra protection during transportation is required.	345.00
KSGMT20001	Cabinet Solid Top Panel	90.00
KSGMT20002	Cabinet Fan Top Assembly	435.00
KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	140.00
WIRELINE REMOTE CONTROL OPTIONS		***LIST***
KSGTN02A	2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor.	655.00
KSGTN02N	N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling.	670.00
KSGTN10A	10 Channel BCD Tone Termination Panel (KSGTM10010, KSGBCDCASE, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor.	920.00
KSGTM20016	16 Channel Tone Termination Panel **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor.	948.75
KSGTDC2A	DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order.	410.00
KSGTALD1	600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) **Note:** 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications.	360.00
EXTERNAL TRUNKING CONTROLLER OPTIONS		***LIST***
KSGC040L	LTR Dispatch Trunking Controller (KSGCT11040, KSGCB30532)	1,590.00
KSGC050L	LTR Dispatch & Interconnect Trunking Controller (KSGCT11050, KSGCB30532)	3,020.00
KSGC452L	LTR Dispatch Trunking Controller (901-9570, KSGCB32801)	1,545.00
KSGC459L	LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)	2,370.00
MISC STATION OPTIONS		***LIST***
KSGDX13546	6 Cavity UHF BpBr Duplexer (450-470MHz Only) **Note**: Bandpass/Bandreject duplexer, 250W continuous duty. Includes one LMR-400 interface cable.	3,095.00
KSGDX23101	4 Cavity UHF BpBr Duplexer (450-470MHz Only) **Note**: Bandpass/Bandreject duplexer, 350W continuous duty. Includes one LMR-400 interface cable.	1,775.00
KSGOMOD1	Basic Site Management Modem (KSGMD10001, KSGCB22154) **Note**: Modem 2400 bps to be used with LTR controllers, includes interface cable.	255.00
KSGOMOD2	High Performance Site Management Modem (KSGMD20000, KSGCB22154) **Note**: Modem 2400 bps, extra stability in high RF environments, includes interface cable.	1,215.00
KSGSNV12	Signal-to-Noise Modular Voting Comparator **Note:** 19" rack mount; occupies 3RU. Order Station Module Cards below.	8,000.00
KSGVOT2A	Station Module Card for Signal-to-Noise Voter (SVM-2)	1,530.00
KSGOPTG1	Pilot Tone Generator and Line Driver (PTG-10) **Note:** For use with voting systems, supplies 600 Ohm balanced 2-wire audio.	885.00
KSGMS10050	Relay, Antenna, x50 Series, 50W	340.00
COMPONENTS		***LIST***
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	720.00
KSGMT0C03R	Crate for 3' Rack	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	650.00
KSGMT0C07R	Crate for 7' Rack	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	2,155.00

COMPONENTS		LIST
KSGMT0C40U	Crate for 40U Cabinet	520.00
KSGTM10012	Panel, Tone Term, 2 ch., no case, full dup, 2 or 4 wire, w/monitor	560.00
KSGTM10TCS	Case, Tone Term Panel	65.00
KSGCB32801	Cable, Interface, Tone to '50	30.00
KSGTM10060	Panel, Tone Term (N-Series), 2 ch., no case, full dup, 2 or 4 wire, w/monitor	570.00
KSGTM20TCS	Case, Tone Term Panel (N-Series)	70.00
KSGTM10010	Panel, Tone Term, 10 ch., with case, full dup, 2 or 4 wire, w/mon	820.00
KSGBCDCASE	Case, Tone Term Panel	70.00
KSGTM10003	Term panel, DC, 2ch, 2/4-wire, full duplex	315.00
KSGTM10021	600 Ohm Balanced Line Driver	265.00
KSGCT11040	Controller, Dispatch Trunking (Trident Raider)	1,550.00
KSGCB30532	Cable, 32", DB-25 Male (Controller) to DB-25 Male(Repeater)	40.00
KSGCT11050	Controller, Dispatch Trunking with Interconnect (Trident Maurader)	2,980.00
901-9570	Controller, Dispatch Trunking (Zetron Model 452)	1,515.00
905-0123	Controller, Dispatch Trunking with Interconnect (Zetron Model 459)	2,340.00
KSGMD10001	Modem, USR	215.00
KSGCB22154	Cable,54",DB-9 Female (Controller) to DB-25 Male(Modem)	40.00
KSGMD20000	Modem, Tuff, with power cable and interface cable	1,175.00
KSGUT10001	1RU Mounting Tray **Note:** Provides mounting space for up to two accessories	50.00

VHF High Band

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TKR-751

High Performance Base Stations and Repeaters 146 - 174 MHz

GENERAL: TKR-751 VHF High Band Base Stations and Repeaters are integrated systems using TKR-751 repeaters. The TKR-751 repeater occupies 2 RU and may be used as a continuous-duty 25W standalone low power station or as a driver for an external power amplifier.
OPTIONS: Conventional station options include wireline remote control and external RF amplifiers with built-in T-R antenna switching for simplex operation. Trunking system options include external controllers for LTR applications; PassPort systems are available by individual quotation. A high performance 6 cavity BpBr duplexer is listed as an option; multichannel combining systems are quoted on an individual system basis. Power supply options include battery backup with integrated SmartCharger and Low Voltage Disconnect. Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks. Amplifier choices include 110W, 150W, 150W or 250W options. Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details.

TKR-751 REPEATER		***LIST***
TKR-751K	Repeater, VHF, 146-174MHz, 25W	1,383.00
BASIC ACCESSORIES		***LIST***
KPG-46UM	Programming Cable	158.50
KPG-91DNK	Programming Software	103.25
B51-8683-00	TKR-751 Service Manual	50.00
RF BASE STATION AMPLIFIER OPTIONS **Note**: Includes Two Cables for Radio Connectivity		***LIST***
KSGPA22423	136-174MHz, 3W Input, 25-50W Output	1,990.00
KSGPA22410	144-152MHz, 3W Input, 55-110W Output	2,505.00
KSGPA22420	152-162MHz, 3W Input, 55-110W Output	2,505.00
KSGPA22430	162-174MHz, 3W Input, 55-110W Output	2,505.00
KSGPA22452	144-152MHz, 3W Input, 150W Output	3,720.00
KSGPA22453	152-162MHz, 3W Input, 150W Output	3,720.00
KSGPA22454	162-174MHz, 3W Input, 150W Output	3,720.00
KSGPA22258	152-162MHz, 3w Input, 250W Output	4,600.00
KSGPA22510	144-152MHz, 25W Input, 55-110W Output	2,505.00
KSGPA22520	152-162MHz, 25W Input, 55-110W Output	2,505.00
KSGPA22530	162-174MHz, 25W Input, 55-110W Output	2,505.00
KSGPA22552	144-152MHz, 25W Input, 150W Output	3,720.00
KSGPA22553	152-162MHz, 25W Input, 150W Output	3,720.00
KSGPA22554	162-174MHz, 25W Input, 150W Output	3,720.00
RF REPEATER STATION AMPLIFIER OPTIONS **Note:** Includes One Cable for Radio Connectivity		***LIST***
KSGPA22403	136-174MHz, 3W Input, 25-50W Output	1,665.00
KSGPA22412	144-152MHz, 3W Input, 55-110W Output	2,160.00
KSGPA22413	152-162MHz, 3W Input, 55-110W Output	2,160.00
KSGPA22414	162-174MHz, 3W Input, 55-110W Output	2,160.00
KSGPA22442	144-152MHz, 3W Input, 150W Output	3,060.00
KSGPA22443	152-162MHz, 3W Input, 150W Output	3,060.00
KSGPA22444	162-174MHz, 3W Input, 150W Output	3,060.00
KSGPA22253	152-162MHz, 3W Input, 250W Output	4,060.00
KSGPA22512	144-152MHz, 25W Input, 55-110W Output	2,160.00
KSGPA22513	152-162MHz, 25W Input, 55-110W Output	2,160.00
KSGPA22514	162-174MHz, 25W Input, 55-110W Output	2,160.00

RF REPEATER STATION AMPLIFIER OPTIONS **Note:** Includes One Cable for Radio Connectivity		***LIST***
KSGPA22542	144-152MHz, 25W Input, 150W Output	3,060.00
KSGPA22543	152-162MHz, 25W Input, 150W Output	3,060.00
KSGPA22544	162-174MHz, 25W Input, 150W Output	3,060.00
POWER SUPPLY OPTIONS		***LIST***
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply **Note**: Incompatible with 150W or 250W amplifier option.	475.00
KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger **Note**: Incompatible with 150W or 250W amplifier option.	1,355.00
KSGPS20701	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	1,355.00
KSGPS20702	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1,740.00
MOUNTING CONFIGURATIONS		***LIST***
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	1,200.00
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,675.00
KSGMT20020	42" (20RU) Locking Cabinet	2,000.00
KSGMT0C20U	Crate for 42" (20RU) Locking Cabinet **Note:** Optional for situations where extra protection during transportation is required.	345.00
KSGMT20001	Cabinet Solid Top Panel	90.00
KSGMT20002	Cabinet Fan Top Assembly	435.00
KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	140.00
WIRELINE REMOTE CONTROL OPTIONS		***LIST***
KSGTN02A	2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor.	655.00
KSGTN02N	N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling.	670.00
KSGTN10A	10 Channel BCD Tone Termination Panel (KSGTM10010, KSGBCDCASE, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor.	920.00
KSGTM20016	16 Channel Tone Termination Panel **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor.	948.75
KSGTDC2A	DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order.	410.00
KSGTALD1	600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) **Note:** 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications.	360.00
EXTERNAL TRUNKING CONTROLLER OPTIONS		***LIST***
KSGC040L	LTR Dispatch Trunking Controller (KSGCT11040, KSGCB30532)	1,590.00
KSGC050L	LTR Dispatch & Interconnect Trunking Controller (KSGCT11050, KSGCB30532)	3,020.00
KSGC452L	LTR Dispatch Trunking Controller (901-9570, KSGCB32801)	1,545.00
KSGC459L	LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)	2,370.00
MISC STATION OPTIONS		***LIST***
KSGDX12556	6 Cavity VHF BpBr Duplexer **Note**: Bandpass/Bandreject duplexer, 350W continuous duty, minimum TX-RX 400 KHz. Includes one LMR-400 interface cable.	3,095.00
KSGOMOD1	Basic Site Management Modem (KSGMD10001, KSGCB22154) **Note**: Modem 2400 bps to be used with LTR controllers, includes interface cable.	255.00
KSGOMOD2	High Performance Site Management Modem (KSGMD20000, KSGCB22154) **Note**: Modem 2400 bps, extra stability in high RF environments, includes interface cable.	1,215.00

MISC STATION OPTIONS		***LIST***
KSGSNV12	Signal-to-Noise Modular Voting Comparator **Note:** 19" rack mount; occupies 3RU. Order Station Module Cards below.	8,000.00
KSGVOT2A	Station Module Card for Signal-to-Noise Voter (SVM-2)	1,530.00
KSGOPTG1	Pilot Tone Generator and Line Driver (PTG-10) **Note:** For use with voting systems, supplies 600 Ohm balanced 2-wire audio.	885.00
KSGMS10050	Relay, Antenna, x50 Series, 50W	340.00
COMPONENTS		***LIST***
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	720.00
KSGMT0C03R	Crate for 3' Rack	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	650.00
KSGMT0C07R	Crate for 7' Rack	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	2,155.00
KSGMT0C40U	Crate for 40U Cabinet	520.00
KSGTM10012	Panel, Tone Term, 2 ch., no case, full dup, 2 or 4 wire, w/monitor	560.00
KSGTM10TCS	Case, Tone Term Panel	65.00
KSGCB32801	Cable, Interface, Tone to '50	30.00
KSGTM10010	Panel, Tone Term, 10 ch., with case, full dup, 2 or 4 wire, w/mon	820.00
KSGBCDCASE	Case, Tone Term Panel	70.00
KSGTM10060	Panel, Tone Term (N-Series), 2 ch., no case, full dup, 2 or 4 wire, w/monitor	570.00
KSGTM20TCS	Case, Tone Term Panel (N-Series)	70.00
KSGTM10003	Term panel, DC, 2ch, 2/4-wire, full duplex	315.00
KSGTM10021	600 Ohm Balanced Line Driver	265.00
KSGCT11040	Controller, Dispatch Trunking (Trident Raider)	1,550.00
KSGCB30532	Cable, 32", DB-25 Male (Controller) to DB-25 Male(Repeater)	40.00
KSGCT11050	Controller, Dispatch Trunking with Interconnect (Trident Maurader)	2,980.00
901-9570	Controller, Dispatch Trunking (Zetron Model 452)	1,515.00
905-0123	Controller, Dispatch Trunking with Interconnect (Zetron Model 459)	2,340.00
KSGMD10001	Modem, USR	215.00
KSGCB22154	Cable,54",DB-9 Female (Controller) to DB-25 Male(Modem)	40.00
KSGMD20000	Modem, Tuff, with power cable and interface cable	1,175.00
KSGUT10001	1RU Mounting Tray **Note**: Provides mounting space for up to two accessories.	50.00

UHF

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TKR-851

Base Stations and Repeaters 450 - 480 MHz

GENERAL: TKR-851 UHF Base Stations and Repeaters are integrated systems using or TKR-851 repeaters. The TKR-851 repeater occupies 2 RU and may be used as a continuous-duty 25W standalone low power station or as a driver for an external power amplifier. A conventional controller is built into the TKR-851 repeaters.
OPTIONS: Conventional station options include wireline remote control and external RF amplifiers with built-in T-R antenna switching for simplex operation. Trunking system options include external controllers for LTR applications; PassPort systems are available by individual quotation. High performance 4 and 6 cavity BpBr duplexers are listed as options; multichannel combining systems are quoted on an individual system basis. Power supply options include battery backup with integrated SmartCharger and Low Voltage Disconnect. Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks. Amplifier choices include 40W, 100W or 150W options. Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details.

TKR-851 REPEATER		***LIST***
TKR-851K	Repeater, UHF, 450-480MHz, 1-25W	1,488.00
BASIC ACCESSORIES		***LIST***
KPG-46UM	Programming Cable	158.50
KPG-91DNK	Programming Software	103.25
B51-8684-00	TRK-851 Service Manual	50.00
RF BASE STATION AMPLIFIER OPTIONS **Note:** Includes Two Cables for Radio Connectivity		***LIST***
KSGPA23423	450-512MHz, 3W Input, 20-40W Output	1,950.00
KSGPA23420	450-512MHz, 3W Input, 50-100W Output	2,600.00
KSGPA23453	450-512MHz, 3W Input, 150W Output	4,560.00
KSGPA23523	450-512MHz, 25W Input, 20-40W Output	1,950.00
KSGPA23520	450-512MHz, 25W Input, 50-100W Output	2,600.00
KSGPA23553	450-512MHz, 25W Input, 150W Output	4,560.00
RF REPEATER STATION AMPLIFIER OPTIONS **Note:** Includes One Cable for Radio Connectivity		***LIST***
KSGPA23403	450-512MHz, 3W Input, 20-40W Output	1,665.00
KSGPA23413	450-512MHz, 3W Input, 50-100W Output	2,165.00
KSGPA23443	450-512MHz, 3W Input, 150W Output	3,940.00
KSGPA23503	450-512MHz, 25W Input, 20-40W Output	1,665.00
KSGPA23513	450-512MHz, 25W Input, 50-100W Output	2,165.00
KSGPA23543	450-512MHz, 25W Input, 150W Output	3,940.00
POWER SUPPLY OPTIONS		***LIST***
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply **Note:** Incompatible with 150W or 250W amplifier option.	475.00
KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger **Note:** Incompatible with 150W or 250W amplifier option.	1,355.00
KSGPS20701	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	1,355.00
KSGPS20702	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1,740.00
MOUNTING CONFIGURATIONS		***LIST***
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	1,200.00
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,675.00

MOUNTING CONFIGURATIONS		***LIST***
KSGMT20020	42" (20RU) Locking Cabinet	2,000.00
KSGMT0C20U	Crate for 42" (20RU) Locking Cabinet **Note:** Optional for situations where extra protection during transportation is required.	345.00
KSGMT20001	Cabinet Solid Top Panel	90.00
KSGMT20002	Cabinet Fan Top Assembly	435.00
KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	140.00
WIRELINE REMOTE CONTROL OPTIONS		***LIST***
KSGTN02A	2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor.	655.00
KSGTN02N	N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling.	670.00
KSGTN10A	10 Channel BCD Tone Termination Panel (KSGTM10010, KSGBCDCASE, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor.	920.00
KSGTM20016	16 Channel Tone Termination Panel **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor.	948.75
KSGTDC2A	DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) **Note:** 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order.	410.00
KSGTALD1	600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) **Note:** 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications.	360.00
EXTERNAL TRUNKING CONTROLLER OPTIONS		***LIST***
KSGC040L	LTR Dispatch Trunking Controller (KSGCT11040, KSGCB30532)	1,590.00
KSGC050L	LTR Dispatch & Interconnect Trunking Controller (KSGCT11050, KSGCB30532)	3,020.00
KSGC452L	LTR Dispatch Trunking Controller (901-9570, KSGCB32801)	1,545.00
KSGC459L	LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)	2,370.00
MISC STATION OPTIONS		***LIST***
KSGDX13546	6 Cavity UHF BpBr Duplexer (450-470MHz Only) **Note**: Bandpass/Bandreject duplexer, 250W continuous duty. Includes one LMR-400 interface cable.	3,095.00
KSGDX23101	4 Cavity UHF BpBr Duplexer (450-470MHz Only) **Note**: Bandpass/Bandreject duplexer, 350W continuous duty. Includes one LMR-400 interface cable.	1,775.00
KSGOMOD1	Basic Site Management Modem (KSGMD10001, KSGCB22154) **Note**: Modem 2400 bps to be used with LTR controllers, includes interface cable.	255.00
KSGOMOD2	High Performance Site Management Modem (KSGMD20000, KSGCB22154) **Note**: Modem 2400 bps, extra stability in high RF environments, includes interface cable.	1,215.00
KSGSNV12	Signal-to-Noise Modular Voting Comparator **Note:** 19" rack mount; occupies 3RU. Order Station Module Cards below.	8,000.00
KSGVOT2A	Station Module Card for Signal-to-Noise Voter (SVM-2)	1,530.00
KSGOPTG1	Pilot Tone Generator and Line Driver (PTG-10) **Note:** For use with voting systems, supplies 600 Ohm balanced 2-wire audio.	885.00
KSGMS10050	Relay, Antenna, x50 Series, 50W	340.00
COMPONENTS		***LIST***
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	720.00
KSGMT0C03R	Crate for 3' Rack	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	650.00
KSGMT0C07R	Crate for 7' Rack	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	2,155.00
KSGMT0C40U	Crate for 40U Cabinet	520.00

COMPONENTS		LIST
KSGTM10012	Panel, Tone Term, 2 ch., no case, full dup, 2 or 4 wire, w/monitor	560.00
KSGTM10TCS	Case, Tone Term Panel	65.00
KSGCB32801	Cable, Interface, Tone to '50	30.00
KSGTM10060	Panel, Tone Term (N-Series), 2 ch., no case, full dup, 2 or 4 wire, w/monitor	570.00
KSGTM20TCS	Case, Tone Term Panel (N-Series)	70.00
KSGTM10010	Panel, Tone Term, 10 ch., with case, full dup, 2 or 4 wire, w/mon	820.00
KSGBCDCASE	Case, Tone Term Panel	70.00
KSGTM10003	Term panel, DC, 2ch, 2/4-wire, full duplex	315.00
KSGTM10021	600 Ohm Balanced Line Driver	265.00
KSGCT11040	Controller, Dispatch Trunking (Trident Raider)	1,550.00
KSGCB30532	Cable, 32", DB-25 Male (Controller) to DB-25 Male(Repeater)	40.00
KSGCT11050	Controller, Dispatch Trunking with Interconnect (Trident Maurader)	2,980.00
901-9570	Controller, Dispatch Trunking (Zetron Model 452)	1,515.00
905-0123	Controller, Dispatch Trunking with Interconnect (Zetron Model 459)	2,340.00
KSGMD10001	Modem, USR	215.00
KSGCB22154	Cable,54",DB-9 Female (Controller) to DB-25 Male(Modem)	40.00
KSGMD20000	Modem, Tuff, with power cable and interface cable	1,175.00
KSGUT10001	1RU Mounting Tray **Note:** Provides mounting space for up to two accessories	50.00

KAS-10 GPS AVL & Dispatch Messaging Software (Version 2.X)

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PRODUCT ENHANCEMENTS:

999 mobile ID capacity.
NXDN® scrambler included
Up to 100 KAS-10 per system, 10 per site.
100 group scan with four Priority Monitor ID's
AVL & Voice Dispatch operation over IP; GPS data, and status/text message and voice

GPS AVL & DISPATCH		***LIST***
KAS-10	GPS AVL & Dispatch Messaging Software	434.00
KSGCP50001	AMBE-3000™ Vocoder Chip with USB Interface	650.00
COMPANION PRODUCTS COMPUTERS		***LIST***
KSGCP30201	Windows Workstation PC	2,015.00
KSGSP10001	Multi-Media Desktop PC Speakers	50.00
KSGCP40002	USB Over the Head Headset with Microphone	90.00
KSGCP40003	Mini-Plug Over the Head Headset with Microphone	75.00
COMPUTER MONITORS		***LIST***
KSGCP30101	17" Anti-Glare Black LCD Monitor	375.00
KSGCP00014	19" Anti-Glare Black LCD Monitor	475.00
KSGCP30102	17" Anti-Glare Black ELO Touchscreen Monitor	1,045.00
KSGCP00015	19" Anti-Glare Black ELO Touchscreen Monitor	1,245.00

KPG-150AP OTAP Manager

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General

For NEXEDGE® digital 12.5/6.25 kHz conventional and trunking systems, the KPG-150AP OTAP (Over the Air Programming) manager simplifies the task of reconfiguring subscribers, either directly or via repeater. Once installed on a compatible PC connected to a base radio (portable or mobile), the OTAP Manager can eliminate manual collection of portable and mobile radios from the field, repeated connection and disconnection of individual radios, and endless hours spent writing new programming data to each unit. User interface and icons offer intuitive operational ease, while the software's verification and logging features ensure efficient and reliable data control.

Main Features

Multiple user-defined groups are accommodated, and support for multiple serial ports facilitates transmission on different frequencies. Once stored in the OTAP Manager, data for each radio can be easily reprogrammed. One-click programming allows multiple radios to share the same programming data without individual modification. The KPG-150AP software compares current and updated configurations, enabling transmission of only updated programming data to save on-air time. Multiple sessions can be programmed and scheduled in advance, so there is no need to be present during remote over-the-air reconfiguration. Auto retry options are also available in case of OTAP failure. Each programming session is recorded by the OTAP Manager, indicating transmission success or failure for each radio.

OTAP MANAGER		***LIST***
KPG-150AP	OTAP Manager **Note:** Includes a license for one computer, one base radio (mobile or portable), and 10 subscriber radios (mobile or portable)	550.00
ADDITIONAL LICENSES **Note:** Includes a license for one additional subscriber radio (mobile or portable) attached to one computer running KPG-150AP software		***LIST***
KWD-AP1	Additional Radio License for 1 PC **Note:** Price is per license on quantities of less than 100 licenses.	25.00
KWD-AP100	Additional Radio License for 1 PC **Note:** Price is per license when ordering between 100 and 249 licenses at the same time.	25.00
KWD-AP250	Additional Radio License for 1 PC **Note:** Price is per license when ordering between 250 and 499 licenses at the same time.	25.00
KWD-AP500	Additional Radio License for 1 PC **Note:** Price is per license when ordering 500 or more licenses at the same time.	25.00
KWD-SP1	Additional System License for 1 PC **Note:** Price is per license on quantities of less that 16 licenses.	333.00
COMPANION PRODUCTS - COMPUTERS		***LIST***
KSGCP30201	Windows Workstation PC	2,015.00
COMPUTER MONITORS		***LIST***
KSGCP30101	17" Anti-Glare Black LCD Monitor	375.00
KSGCP00014	19" Anti-Glare Black LCD Monitor	475.00
KSGCP30102	17" Anti-Glare Black ELO Touchscreen Monitor	1,045.00
KSGCP00015	19" Anti-Glare Black ELO Touchscreen Monitor	1,245.00

Footnotes:

Base radios are connected to a computer using the KPG-36UM USB adapter for portables, or a KPG-46UM for mobiles.

Requires firmware version 2.5 or higher for the NX-x00/NX-x10 mobiles and portables as well as the NXR-x00/NXR-x10 repeaters.

Requires firmware version 1.01 or higher for the NX-x20 portables.

KTI-4 Telephone Interconnect Adapter

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General:

Available only for NEXEDGE® digital trunking systems using the NXR-700/800/900 repeaters, the KTI-4M Telephone Interconnect Adapter provides access to incoming and outgoing PSTN/PABX telephone calls when used in conjuction with a telephone patch panel. The KTI-4M serves as an Ethernet-based interface between the NEXEDGE® digital trunking system and an analog telephone patch panel.

Main Features:

Can be installed off-site using an IP network connection to the NEXEDGE® system.
Up to 100 telephony lines per system; six lines per site.
DTMF control via AUX jack
Customizable DTMF command set and tone timer for telephone patch
Browser-based remote KTI-4 settings via the IP network
Individual telephone calling
Speed dial
Configurable call restrictions (long-distance, international, etc.)
AMBE+2™ vocoder for digital audio speech conversion
NXDN® encryption included
Status LEDs: Power, Communications, Full-Duplex, 100 Base-TX

Interconnect Adapter		***LIST***
KTI-4M	Telphone Interconnect Adapter	570.00
901-9416	Model 30 Worldpatch	668.75
KSGUT10001	1RU Mounting Tray **Note**: Provides mounting space for up to two accessories.	50.00
L-8005	KTI-4M Calibration (Required)	75.00

Wireless Image Systems

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KVT-11 Image Encoder Unit

KAS-11 Image Viewer Software

General:

Kenwood's Wireless Image System is a still image transmission system employing NEXEDGE® digital transceivers. It provides a quick and effective way to set up a 24/7 remote monitoring system at virtually any location with NEXEDGE® digital radio systems coverage. Deployment of this system can provide the "last mile" link when no other option is available. Installation is simple and operation is easy; wide coverage is ensured.

This innovative system consists of a monitor station and a base station, linked via NEXEDGE® digital transceivers. Still images are transmitted from the remote site to the base station computer, which serves as the control center. Several sites can be monitored simultaneously.

For routine operation, the "Auto Poll" function is used to capture images at preset intervals. Image quality, interval and display format can be set or adjusted at any time from the base station. Additionally, "Record" can be used for immediate capture whenever necessary. And the History view allows the operator to "Request" a particular image – stored in the KVT-11's memory – for retransmission, perhaps at a higher quality for verification purposes

Any of 5 different quality levels – determined by compression level – can be chosen for the images transmitted by the KVT-11. The KVT-11 applies MPEG-4 AVC / H.264 video compression to the images from the camera. This ensures twice the compression possible using JPEG and with less video noise. Higher compression means faster transmission. And thanks to the high data transfer capabilities of NEXEDGE® digital transceivers, the images are transmitted at approx.3.6kbps (12.5kHz) and 1.8kbps (6.25kHz). This results in better quality and faster access than is possible with an analog wireless solution.

Other Features

Multi-camera setup with tree view of all cameras and groups □
Choice of 3 image display sizes: 160 x 120, 320 x 240, 640 X 480.
Choice of 5 display formats: Standard, Quadrisection, Resolution Division, Center of Quadplex Image, Center of Nonuple Image
Log Data with search function
Image export (bitmap/JPEG)
2-layer password protection.

NEXEDGE® MOBLIE RADIOS		***LIST***
NX-700K	136-174MHz, 30W, 512 CH/128 Zone	725.00
NX-700HK	136-174MHz, 50W, 512 CH/128 Zone	850.00
NX-800K	450-520MHz, 30W, 512 CH/128 Zone	725.00
NX-800K2	400-470MHZ, 30W, 512 CH/128 Zone	725.00
NX-800HK	450-520MHZz, 45W, 512CH/128 Zone	850.00
NX-800HK2	400-47MHz, 45W, 512 CH/128 Zone	850.00
L-8006	Flow Control Modification (Required)	75.00
BASIC ACCESSORIES		***LIST***
DB25M to DB9F Cable for Radio Connectivity to KVT-11 or Computer		
KSGCB70011	6' Cable	40.00
KSGCB70012	10' Cable	50.00
KSGCB70013	25' Cable	60.00

Radio Power Supply and Bracket		***LIST***
KPS-15	13.8V DC Power Supply	173.00
KMB-24	Mounting Case for KPS-15	42.00
Wireless Image Software and Equipment		***LIST***
KAS-11K	Image Viewer Software **Note:** Requires Microsft XP/Vista/7 Operating System	250.00
KVT-11M	Image Encoder Unit	575.00
Camera Equipment		***LIST***
Box Camera and Accessories		
TK-C9300UA	JVC True Day/Night Camera with IR Cutoff Filer	435.00
YV5X27R4BSA2L	Fujinon Lens 2.7-13.5MM (5X)	160.00
BOXMOUNT	6" Black Universal Mouting Bracket for Cameras	35.00
Dome Camera and Accessories		
TK-C22001WPUA	JVC True Day/Night Camera with IR Cutoff Filer	595.00
KA-2H215U	Internal Heater	190.00
PMTK-C205	Pendant Mount	95.00
WMTK-C206	Wall Mount	165.00
Coax Cable		***LIST***
BNC-M to BNC-M Cables for Camera Connectivity to KVT-11		
KSGCB70021	12' Cable	50.00
KSGCB70022	25' Cable	65.00
KSGCB70023	50' Cable	95.00

KPG-157SB

NEXEDGE® Bridge

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GENERAL: The KPG-157SB NEXEDGE® Bridge connects up to eight NXR-700/800/900-901-based multi-site trunked networks. Subscribers from each network can make/ receive voice and data calls to/from any trunked network. The NEXEDGE® Bridge can be installed at any trunked site through IP connectivity so it can be remotely configured and controlled from anywhere.

FEATURES AND HIGHLIGHTS:
100 Group Calls
1000 GID Exchange Sets
Call Types - Voice/Short Data/Long Data
Cross Band Networks*
IP Remote Control, Configuration and Maintenance
Multi-Level Access Control
Communication and System Logging
Data Backup and Restore
NXR-700/800/900/901 Compatible

SOFTWARE		***LIST***
KPG-157SB	Kenwood NEXEDGE® Bridge Software	12,500.00
KSGPG92010	System Group Call Path License **Note**: License for block of 10 path activations. (Minimum of one block; maximum of 10 blocks per system)	10,000.00
KSGPGKEY03	Grade-1 Unlimited Access Secure USB Programming Key **Note:** Required for operation.	167.00
HARDWARE		***LIST***
KSGCP10000	Custom Rack Mounted Server **Note**: Must be provided and configured by Kenwood.	5,500.00
MOUNTING CONFIGURATIONS		***LIST***
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	1,200.00
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,675.00
KSGMT20020	42" (20RU) Locking Cabinet	2,000.00
KSGMT0C20U	Crate for 42" (20RU) Locking Cabinet **Note:** Optional for situations where extra protection during transportation is required.	345.00
KSGMT20001	Cabinet Solid Top Panel	90.00
KSGMT20002	Cabinet Fan Top Assembly	435.00
KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	140.00
COMPONENTS		***LIST***
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	720.00
KSGMT0C03R	Crate for 3' Rack	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	650.00
KSGMT0C07R	Crate for 7' Rack	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	2,155.00
KSGMT0C40U	Crate for 40U Cabinet	520.00

NEXEDGE® MAX Dispatch Console

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MAX Dispatch is an end-to-end IP based telecommunications console system designed for mission critical dispatch applications. Because MAX Dispatch employs the latest, standards-based IP protocols and IT best practices, it offers the highest levels of interoperability, scalability, and features. The Kenwood NEXEDGE® MAX Dispatch console system is designed to connect directly to a NEXEDGE® Trunking Repeater System (TRS) via IP connection.

MAX PRO WORKSTATIONS		***LIST***
KMX9050410	Kenwood MAX Pro Workstation Bundle Bundle Includes One (1) Operator Workstation PC, One (1) media Dock, Two (2) speakers, and power supply. **Note:** Licenses include: MAX Base Software, Individual Call, Tone Signaling/Paging, Telephone, Event Replay, Auxiliary I/O Control Feature Sets. All manuals are included in soft copy format with the MAX software.	21,243.75
KMX9050411	Kenwood MAX Pro Workstation Bundle, PC not included	20,600.00
KMX9050412	Kenwood MAX Pro Workstation, Laptop Bundle **Note**: USB Headset included, Media Dock not included.	18,025.00
KMX9300258	MAX Pro Software	17,381.25
WORKSTATION HARDWARE OPTION		***LIST***
950-0032	Headset, 6-wire, Noise Cancelling **Note**: Dual Prong adapter which includes one headset top.	466.65
950-0033	Headset 4-Wire, Noise Cancelling **Note**: Dual Prong adapter which includes one headset top.	341.65
950-0454	Wireless Headset, 6-Wire, Noise Canceling (includes 1 additional battery) **Note**: Plantronics CA12CD improved belt-mounted PTT pack has secure battery retention and accepts Plantronics H-Series headset tops.	1,166.62
802-0115	Headset Top, Noise Cancelling	174.99
KMX9050413	Kenwood Desktop Microphone, Standard with Cable	550.00
KMX9050414	Kenwood Desktop Microphone, Shure with Cable	725.00
KMX9019695	Kenwood Media Dock XS Kit	4,893.75
KMX9500884	Kenwood Speakers Single (Cable Separate)	543.75
950-9102	Footswitch, Single w/ 10' cable	137.50
950-1082	Dual Prong Headset Jackbox Option (Single Volume Control)	475.00
950-1077	Dual Prong Headset Jackbox Option (Dual Volume Control) **Note**: Required for TRHI functionality.	1,168.75
709-0170-10	10 ft. Shielded Cat 5e cable for Speakers	25.00
MAX RADIO GATEWAY INTERFACE AND OPTIONS		***LIST***
901-9674	Model 6080 Relay Module	1,062.50
MAX DIGITAL RADIO GATEWAY INTERFACE AND OPTIONS (IP)		***LIST***
KMX9019692	Kenwood MAX Digital Radio Gateway **Note**: Required when interfacing via IP directly to a NEXEDGE®DMR, or P25 DFSI System.	3,862.50
KMX9300264	NEXEDGE® Talkpath Interface **Note**: Requires license for each NEXEDGE® Talkpath monitored at the console.	643.75
MAX DIGITAL RADIO GATEWAY INTERFACE AND OPTIONS (DB-15)		***LIST***
901-9675	MAX Radio Gateway Conventional (DB15) Hardware **Note**: This hardware variant is used when the radio is co-located with the MAX Radio Gateway and the cable can run directly from the unit to the radio itself. This device supports 2 radio connections. Includes one 10' shielded Cat 5e cable.	3,218.75
930-0229	Interface License (TK-x180,TK-5x10, NX-800/900) **Note**: Per Channel	387.50
MAX DIGITAL RADIO GATEWAY INTERFACE AND OPTIONS (DB-15)		***LIST***
709-7977-10	MAX Radio Gateway to Kenwood Radios (TK-x180, TK-5x10, NX-700/800/900) Cable (10 ft.)	131.25
709-7977-20	MAX Radio Gateway to Kenwood Radios (TK-x180, TK-5x10, NX-700/800/900) Cable (20 ft.)	156.25

MAX DIGITAL RADIO GATEWAY INTERFACE AND OPTIONS (RJ-21)		***LIST***
901-9677	MAX Radio Gateway Conventional (RJ21) Hardware **Note**: This hardware variant is used when the site requires that the interconnects to be demarcated on punch down blocks. This device supports 2 radio connections. Includes one 10' shielded Cat 5e cable.	3,218.75
930-0229	Interface License (TK-x180,TK-5x10, NX-800/900) **Note**: Per Channel	387.50
709-0167-10	25-pr Cable, M180-M90 (10 ft.)	75.00
709-0167-25	25-pr Cable, M180-M90 (25 ft.)	75.00
709-0167-50	25-pr Cable, M180-M90 (50 ft.)	75.00
MAX SYSTEM HARDWARE/SOFTWARE		***LIST***
KMX9019694	Kenwood MAX Central **Note**: Hardware platform hosting the MAX Manager, Telephony Gateway, IP Voice Logger Gateway, and the Auxiliary I/O Gateway. Includes five (5) 10 ft. shielded CAT5e cables for connectivity.	4,118.75
930-0231	MAX Manager **Note**: Required for each MAX System.	3,993.75
930-0263	Fleetsync Signaling	262.50
930-0221	Block of 10 Radio Channels Licenses **Note**: Up to 50 Channels in the systems. Beyond 50 channels please contact Kenwood for pricing	3,862.50
930-0237	IP Voice Logger Channel Block License (Up to 10 radio channels)	581.25
930-0239	Auxiliary I/O Port License (Supports inputs and outputs up to 32)	2,256.25
950-1132	Auxiliary I/O Unit - 16 Inputs/16 Outputs	1,199.95
950-1147	Auxiliary I/O Unit - 16 Inputs/8 Outputs	1,091.62
950-1149	Expansion Auxiliary I/O Unit - 16 Inputs/16 Outputs	824.97
950-1148	Expansion Auxiliary I/O Unit - 16 Inputs/8 Outputs	791.64
930-0235	Telephone Gateway Services (1 per Max Central)	2,575.00
930-0236	Telephony Port License (1 license per line connection) **Note**: License not required if purchasing one of the gateways above.	81.25
950-1130	2 Port FXS VoIP Gateway with 2 port license **Note**: Unit requires use of 19" Rack 2U shelf (810-0142).	1,956.25
950-1131	12 Port FXS VoIP Gateway with 12 port license	5,987.50
950-1138	2 Port FXO VoIP Gateway with 2 port license **Note**: Unit requires use of 19" Rack 2U shelf (810-0142).	1,956.25
950-1139	12 Port FXO VoIP Gateway with 12 port license	5,987.50
930-0233	MAX Portal Remote Radio License **Note**: One remote Portal license is needed per Radio Gateway that is designated as remote device.	256.25
RACK MOUNTING AND POWER EQUIPMENT		***LIST***
950-1142	Redundant 12VDC Power System **Note**: Supports up to 20 MAX Dispatch devices and includes 19" rack mount enclosure.	4,375.00
950-1143	Redundant 12VDC Power System **Note**: Supports up to 40 MAX Dispatch devices and includes 19" rack mount enclosure.	7,856.25
950-1133	Isolated 12VDC Power Supply System (non-Redundant) **Note**: Supports up to 20 MAX Dispatch devices	1,675.00
950-1134	12VDC Power Distribution Panel **Note**: Supports up to 40 MAX Dispatch devices.	575.00
RACK MOUNTING AND POWER EQUIPMENT		***LIST***
950-1135	DIN Rail Mounting Kit **Note**: Generic Rack Mount Kit used for extra power supply mounting or other devices using DIN rail mounting.	612.50
950-0923	MAX Radio Gateway Power Supply Option **Note**: Used for powering one Radio Gateway.	87.50
950-0589	Radio Interface Module Single Unit Rack Mount Kit	137.50
950-0588	Radio Interface Module Dual Unit Rack Mount Kit	187.50
950-9351	Connectorized Punch down Block	81.25
950-9199	Connectorized Punch down Block (Protected) [Baseline Product]	937.50
802-0230	Protection Modules for 66-Block	31.25
810-0142	19" Rack 2U Shelf	125.00

MONITORS AND NETWORK EQUIPMENT		***LIST***
802-2311	Monitor, LCD Flatpanel, 23" (Resolution 1920 X 1080) (Recommended)	508.31
802-0748	Monitor, LCD Flatpanel, 22" (Resolution 1680 X 1050)	491.65
802-2313	Tech Global 23" WS Multi-Touch Monitor (Resolution 1920 X 1080)	4,933.14
802-2206	HP 21.5" WS Multi-Touch Monitor (Resolution 1920 X 1080)	908.30
950-1128	24-Port Managed Gigabit Switch - Cisco	2,831.25
950-1129	48-Port Managed Gigabit Switch - Cisco	4,893.75
KMX9501136	MAX Solutions Workstation PC	3,087.50
SYSTEMS DOCUMENTATION		***LIST***
395-0098	MAX Dispatch Manual Set **Note**: CD includes complete suite of MAX Dispatch Manuals.	31.25
025-9638	MAX System Overview Manual	62.50
025-9645	MAX System Installation Manual	62.50
025-9624	MAX Radio Gateway (DB15) Product Manual	62.50
025-9648	MAX Radio Gateway (RJ21) Product Manual	62.50
025-9649	MAX Operation Manual	62.50
025-9647	MAX Central Product Manual	62.50
025-9650	MAX Dispatch Console Design Manual	62.50
025-9630	Model 6080 Manual	62.50
025-9625	MAX Digital Radio Gateway Product Manual	62.50
025-9658	Media Dock XS Manual	62.50
CUSTOMER SUPPORT SERVICES (NON-DISCOUNTABLE) **Note:** Factory Training in Redmond, WA		***LIST***
X97-344F	MAX Dispatch Factory Technical Training, First Person	1,833.37
X97-344A	MAX Dispatch Factory Technical Training, Additional person	916.69
ON-SITE OPERATION AND TECHNICAL TRAINING (NON-DISCOUNTABLE)		***LIST***
X98-344F	MAX Dispatch On-site Training, First Day	5,516.78
X98-344A	MAX Dispatch On-site Training, Additional Day	3,675.07
X98-9344	MAX Dispatch On-site Training, Travel Day	1,841.70
ON-SITE TECHNICAL SUPPORT (NON-DISCOUNTABLE)		***LIST***
X93-344F	MAX Dispatch On-site Technical Support, First Day	5,516.78
X93-344A	MAX Dispatch On-site Technical Support, Additional Day	3,675.07
X93-344R	MAX Dispatch On-site Technical Support, Travel Day	1,841.70
EXTENDED LIMITED WARRANTY		***LIST***
X61-1344	Extended Limited Warranty per year (4% of System List Price)	Factory Quote
X61-5344	Extended Limited Warranty 5 year from Ship Date (14% of System List Price)	Factory Quote

JVC Video Security Products

IP Full HD Security Camera Systems

JVC

Cameras	*All JVC IP Full HD Cameras feature 2.2 MegaPixel Resolution, Full HD (1080p), 30 fps Frame Rate, H.264 Codec (video compression rate), Motion Detection, SD Card Capable, Multi-Level User Password Protection, Three Year Warranty*		*LIST*
VN-T16U		**Box Camera, Indoor mounting** ▪ LoLux HD, Min illumination: 0.3 lux ▪ Power Over Ethernet (PoE)& 24VAC pwr ▪ Easy Day/Night Function ▪ ONVIF Profile S Protocol capable ▪ Bi-Directional Audio ▪ Manual Focus Adjustment ▪ MTBF: 30,000 hours ***NOTE: Lens Not Included; Order Below.***	**356.00**
VN-T216VPRU		**Dome Camera (IR LED), Outdoor mounting** ▪ Weather/vandalproof (IP66) ▪ 3-9mm Varifocal lens ▪ LoLux HD, Min illumination: 0 lux (IR LED on) ▪ PoE & 24VAC pwr ▪ True Day/Night Function (w/IR cust filter) ▪ ONVIF Profile S Protocol capable ▪ Bi-Directional Audio ▪ Manual Focus Adjustment	**536.00**
VN-H37U		**Box Camera, Indoor mounting** ▪ Super LoLux HD, Min. illumination: 0.025 lux ▪ PoE (only) pwr ▪ True Day/Night Function (w/IR cut filter) ▪ ONVIF Profile S/PSIA Protocol capable ▪ C.L.V.I. Wide Dynamic Range & Anti Fog ▪ Manual Focus Adjustment ▪ MTBF: 90,000 hours	**621.00**
VN-H237VPUA		**Dome Camera, Outdoor mounting** ▪ Weather/vandalproof (IP66) ▪ 2.8-10.5mm Varifocal lens ▪ Super LoLux HD, Min. illumination: 0.025 lux ▪ PoE (only) pwr ▪ True Day/Night Function (w/IR cut filter) ▪ ONVIF Profile S/PSIA Protocol capable ▪ C.L.V.I. Wide Dynamic Range & Anti Fog ▪ Manual Focus Adjustment ▪ MTBF: 90,000 hours	**1,055.00**
VN-H257VPBU		**Dome Camera, Outdoor mounting** ▪ Weather/vandalproof (IP66) ▪ 3-9mm Varifocal lens ▪ Super LoLux HD, Min illumination: 0.025 lux ▪ PoE & 24VAC pwr ▪ True Day/Night Function (w/IR cut filter) ▪ ONVIF Profile S/PSIA Protocol capable ▪ C.L.V.I. Wide Dynamic Range & Anti Fog ▪ Bi-directional audio ▪ Auto Focus Adjustment ▪ MTBF: 90,000 hours	**1,372.00**

LENSES ***ONE REQUIRED FOR VN-H37U and VN-T16U***		***LIST***
FUJINON VARIFOCAL LENSES for VN-T16U		
YV28X28SASA2	3MP 2.8-8.0mm Day/Night Lens	**163.00**
YV27X22SASA2	3MP 2.2-6.0mm Day/Night Lens for Wide Angle	**180.00**
YV33X15SASA2	3MP 15-50mm ay/Night Lens for Long Distance Viewing	**215.00**
FUJINON VARIFOCAL LENSES for VN-H37U		
YV28X28SR4ASA2	3MP 2.8-8.0mm Day/Night Lens	**172.00**
YV27X22SR4ASA2	3MP 2.2-6.0mm Day/Night Lens for Wide Angle	**205.00**
YV33X15SR4ASA2	3MP 15-50mm ay/Night Lens for Long Distance Viewing	**257.00**

ACCESSORIES			***LIST***
PM-VPOD		Pendant mount kit for cameras (VN-T216VPRU, VN-H237VPUA, VN-H257VPBU)	**73.00**
WM-VPOD		Wall mount kit for cameras (VN-T216VPRU, VN-H237VPUA, VN-H257VPU)	**73.00**
POLEM-VPOD		Pole mounting kit for cameras (VN-T216VPRU, VN-H237VPUA, VN-H257VPBU)	**40.00**
JB-VPOD		Adapter for junction box, indoor/outdoor (VN-T216VPRU, VN-H237VPUA, VN-H257VPBU)	**40.00**
RC-VPOD		Recessed ceiling mount kit for cameras (VN-T216VPRU, VN-H237VPABU, VN-H257VPU)	**159.00**

NETWORK VIDEO RECORDER			***LIST***
		Network Video Recorder ▪ Milestone Xprotect Enterprise Software (embedded) ▪ 2800 ips max recording frame rate (H.264 VGA) ▪ Supports H.264/JPEG/MPEG-4 camera recording ▪ 1TB (Terrabyte) HDD with 3 expansion slots ▪ Master/Slave Function ▪ MTBF: 49,000 hours	
VR-X1600U		Network Video Recorder, 16 Channel (Expandable to 32 channels)	**7,072.00**
VR-X3200U		Network Video Recorder, 32 Channel (Expandable to 64 channels)	**10,457.00**
POWER OVER ETHERNET SWITCH			
POE-16		16-Port 10/100 Switch (8-Channel PoE Capable) NEFS116PNA	**369.00**

KENWOOD
Listen to the Future

KENWOOD SYSTEMS SERVICES

Kenwood Systems' onsite services help ensure that your Kenwood system is properly configured and optimized. Configuration and optimization is an important part of deployment, ensuring the system performs as intended and meets expectations. Although the type of assistance provided depends on your needs, typical activities could include one or more of the following:

- Installation assistance
- Configuration and optimization
- Training
- Technical support

Installation assistance

Kenwood technicians will inspect equipment and software that has been partially or completely installed to ensure that the system is set up and configured properly.

Configuration and optimization

Site connectivity evaluation
System programming
RF output power validation
Subscriber programming validation

Training

Kenwood provides customized training to meet your specific need. We teach your staff on how to program your system and subscriber radios.

Onsite activities will vary depending on the specific need. Prior to arrival a mutually agreed upon statement of work will be developed.

<u>Onsite services-Price schedule</u>

$3,000 –two days, one person

$1,250 per day thereafter

Fees include travel expenses

Contact your Kenwood Regional Manager for more information for other Kenwood Systems Services

KENWOOD

LAND MOBILE RADIO PRICE GUIDE

Effective Date: April 1, 2014

KENWOOD

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NX-200/300

NEXEDGE® VHF/UHF Digital & FM Analog Portable Radios

All NX series portables include:
- Belt Clip (KBH-11)
- Universal Connector Cap
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

Purchase Battery, Charger, Antenna separately

** Limited Availability for I.S. & Contract requirements only.*

* Approved by CSA International Inc. for Classes I, II & III, Div. 1, Groups C, D, E, F, G and are also approved for non-Incendive use in Class I, Div. 2, Groups A, B, C, D hazardous locations.
Note: Class I, Div 2 Group A & B Gases require use of a portable carrying case.

GENERAL FEATURES
- 5 W (136-174 MHz) Models
- 5 W (400-470, 450-520* MHz) Models
- 512 CH-GID / 128 Zones
- 64 CH-GID / 4 Zones (S Version)
- 12-Key Keypad Models
- 14 Character Alphanumeric Aliases
- Backlit Dot Matrix LCD
- Function/Status LCD Icons
- Multi-Language Display
- Date & 12/24 Hour Time Clock
- Transmit/Busy/Call Alert/Warn LED
- On/Off Volume Knob
- 16-Position Mechanical Selector
- 6 Front PF & Menu Keys
- 2 Side PF Keys
- 500 mW Speaker Audio
- Emergency Call Features
- KMC-47GPS Speaker Mic Option
- KMC-51/52 Digital Noise-Canceling Speaker Mic Option
- KPG-111D Windows® FPU
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- IP54/55 Water & Dust Intrusion
- Immersion (IP67) Option
- PC Serial Interface
- SDM Manual Input1
- Transparent Data Mode
- Intrinsically Safe Option
- VGS-1 Voice Guide/ Voice & GPS Data Storage Option
- Color Housing Option

DIGITAL – GENERAL
- NXDN® Digital Air Interface
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming
- Paging Call
- Emergency Call
- All Group Call
- Status Messaging
- Remote Stun/Kill/Check
- Short & Long Data Messages
- GPS Location with Voice
- NXDN® Scrambler Included
- DES Encryption Module Option
- AES & DES Encryption Module Option
- AES/DES Software Key Loader Option

DIGITAL – CONVENTIONAL MODE
- 64 Radio Access Numbers (RAN)
- Individual & Group Selective Call
- Mixed FM/Digital Operation
- Conventional IP Networks
- Site Roaming

DIGITAL – TRUNKING MODE
- Individual Private Call
- Group Call & Broadcast Call
- Telephone Interconnect
- Transmission Trunked Mode
- Message Trunked Mode
- Call Queuing with Priority
- Late Entry (UID & GID)
- 4 Priority Monitor ID's
- Remote Group Add
- Failsoft Mode

MULTI-SITE IP NETWORKS COMPATIBLE
- 60,000 GIDs / UIDs
- Wide Area Group Call
- Auto Roaming Registration
- Group Registration

MULTI-SYSTEM COMPATIBLE
- 8 Trunked Networks per radio (each in a zone)
- UID Lists for each network

SCAN
- Single Zone / Multi-Zone / List Scan
- Dual Priority Scan (Conventional)

ANALOG MODE – GENERAL
- 25 & 12.5 kHz Channels
- Conventional & LTR® Zones
- FleetSync®/II, MDC-1200, DTMF
- QT / DQT & Two-Tone (Conventional Zones Only)
- Voice Inversion Scrambler
- Analog Scrambler Board Capability

MPT ZONES (option)
- Single-Site Trunking
- Multi-Site Network Trunking
- 8 Network Capacity
- Network Roaming / Registration

FleetSync®/II (FM)
- PTT ID ANI / Caller ID
- Selective / Group Call
- Emergency Status / Text Messages

MDC-1200
- PTT ID ANI / Caller ID
- Emergency / Radio Check & Inhibit

RADIO		*LIST*
NX-200K	136-174MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys	684.00
NX-200K2	136-174MHz 5W, 14 characters Alphanumeric LCD, Full Keypad	734.00
NX-200SK	136-174MHz 5W, Non-Display	625.00
NX-300K	450-520MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys	684.00
NX-300K2	400-470MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys	684.00
NX-300K3	450-520MHz 5W, 14 characters Alphanumeric LCD, Full Keypad	734.00
NX-300K4	400-470MHz 5W, 14 characters Alphanumeric LCD, Full Keypad	734.00
NX-300SK2	400-470MHz 5W, Non-Display	625.00

RADIO - CONT'D		LIST
IP67 (Immersion) Package Models		
NX-200-WK	136-174MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys **[see note 1]**	867.00
NX-200-WK2	136-174MHz 5W, 14 characters Alphanumeric LCD, Full Keypad **[see note 1]**	917.00
NX-300-WK	450-520MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys **[see note 1]**	867.00
NX-300-WK2	400-470MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys **[see note 1]**	867.00
NX-300-WK3	450-520MHz 5W, 14 characters Alphanumeric LCD, Full Keypad **[see note 1]**	917.00
NX-300-WK4	400-470MHz 5W, 14 characters Alphanumeric LCD, Full Keypad **[see note 1]**	917.00
IP67 Custom Color Radio Housing		
NX-200-WK-YH	NX-200-WK with Yellow Housing Option Installed **[see note 1]**	934.00
NX-200-WK-OH	NX-200-WK with Orange Housing Option Installed **[see note 1]**	934.00
NX-300-WK-YH	NX-300-WK with Yellow Housing Option Installed **[see note 1]**	934.00
NX-300-WK-OH	NX-300-WK with Orange Housing Option Installed **[see note 1]**	934.00
NX-300-WK2-YH	NX-300-WK2 with Yellow Housing Option Installed **[see note 1]**	934.00
NX-300-WK2-OH	NX-300-WK2 with Orange Housing Option Installed **[see note 1]**	934.00

FACTORY MUTUAL (FM) APPROVED MODELS		LIST
	Must Order L-1101 & an Intrinsically Safe Battery per radio	
NX-200-ISK	136-174MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys	684.00
NX-200-ISK2	136-174MHz 5W, 14 characters Alphanumeric LCD, Full Keypad	734.00
NX-200-ISSK	136-174MHz 5W, Non Display	625.00
NX-300-ISK	450-520MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys	684.00
NX-300-ISK2	400-470MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys	684.00
NX-300-ISK3	450-520MHz 5W, 14 characters Alphanumeric LCD, Full Keypad	734.00
NX-300-ISK4	400-470MHz 5W, 14 characters Alphanumeric LCD, Full Keypad	734.00
NX-300-ISSK2	400-470MHz 5W, Non Display	625.00
IP67 (Immersion) Package Models		
NX-200-ISWK	136-174MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys **[see note 1]**	867.00
NX-200-ISWK2	136-174MHz 5W, 14 characters Alphanumeric LCD, Full Keypad **[see note 1]**	917.00
NX-300-ISWK	450-520MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys **[see note 1]**	867.00
NX-300-ISWK2	400-470MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys **[see note 1]**	867.00
NX-300-ISWK3	450-520MHz 5W, 14 characters Alphanumeric LCD, Full Keypad **[see note 1]**	917.00
NX-300-ISWK4	400-470MHz 5W, 14 characters Alphanumeric LCD, Full Keypad **[see note 1]**	917.00
IP67 Custom Color Radio Housing		
NX-200-ISWKYH	NX-200-WK with Yellow Housing Option Installed **[see note 1]**	934.00
NX-200-ISWKOH	NX-200-WK with Orange Housing Option Installed **[see note 1]**	934.00
NX-300-ISWKYH	NX-300-WK with Yellow Housing Option Installed **[see note 1]**	934.00
NX-300-ISWKOH	NX-300-WK with Orange Housing Option Installed **[see note 1]**	934.00
NX-300-ISWK2YH	NX-300-WK2 with Yellow Housing Option Installed **[see note 1]**	934.00
NX-300-ISWK2OH	NX-300-WK2 with Orange Housing Option Installed **[see note 1]**	934.00

[note 1]: these models are stocked in minimum quantities. Please anticipate a minimum 45-90 day lead time and call order desk to verify availability. Service must be performed at one of the 3 Kenwood National Service Centers to maintain certification up to 3 years of Product's Limited Warranty period.

ANTENNAS		LIST
KRA-26M	VHF helical antenna 146-162 MHz	14.00
KRA-26M2	VHF helical antenna 162-174 MHz	14.00
KRA-26M3	VHF helical antenna 136-150 MHz	14.00
KRA-27M	UHF whip antenna 440-490 MHz	14.00
KRA-27M2	UHF whip antenna 470-520 MHz	14.00
KRA-27M3	UHF whip antenna 400-450 MHz	14.00
KRA-22M	VHF low-profile helical antenna 148-162 MHz	13.70
KRA-22M2	VHF low-profile helical antenna 162-174 MHz	13.70
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	13.70
KRA-23M	UHF low-profile helical antenna 450-490 MHz	13.70
KRA-23M2	UHF low-profile helical antenna 470-512 MHz	13.70
KRA-23M3	UHF low-profile helical antenna 403-430 MHz	13.70
KRA-25	High gain VHF helically loaded whip antenna 148-162 MHz	34.25
KRA-28	Broad-band VHF helically loaded whip antenna 140-170 MHz	42.00

BATTERIES AND CHARGERS		***LIST***
KNB-47L	1950 mAh, Li-ion battery - requires KSC-32/326K charger **[Immersion Option compatible]**	105.00
KNB-48L	2550 mAh, Li-ion battery - requires KSC-32/326K charger **[Immersion Option compatible]**	122.50
KNB-50NC	2000 mAh, Ni-MH battery - requires KSC-32/326K charger **[Intrinsically Safe Option] [Immersion Option compatible]**	157.50
KBP-7	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included **Note:** the color of the case is orange	68.50
KSC-32	Rapid rate single unit charger for KNB-31A/32N/33L/41NC/43L/47L/48L/50NC **Note:** Includes 110/220V auto-switching AC adapter with U.S.-style line cord plug; requires plug adapter for 220V Euro-style outlets (not supplied).	70.00
KSC-326K	Rapid rate 6-unit charger for KNB-31A/32N/33L/41NC/43L/47L/48L/50NC	630.00
KMB-30M	Wall Mount Bracket for KSC-326K/256K	33.75
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	191.00
KVC-15	Rapid rate DC vehicular charger adapter for the KSC-32 (chargers not included; includes KSC-mobile bracket & cigarette lighter cable DC adapter)	119.00
KVC-20L	Vehicular D.C. Charger for 180/5**0/, NX Portables with Li-ion or Li Polymer Battery	497.00

CARRYING ACCESSORIES		***LIST***
KBH-11	Spring action belt clip (2.5")	14.70
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	26.30
KLH-6SW	Leather swivel belt loop / detachable swivel D-Ring back	22.00
KLH-137ST	Firemen's Heavy-Duty Leather Shoulder Strap for a Heavy-Duty Leather Case (KLH-75B/76B/78B/79B//92/122/123/133/148/154)	36.75
KLH-148K	Heavy duty leather carrying case for NX-200/300/TK-5220/5320 (Non DTMF keypad models)	44.25
KLH-148K2	Heavy duty leather carrying case for NX-200/300/TK-5220/5320 (DTMF keypad models)	44.25
KLH-149K	Nylon carrying case for NX-200/300/TK-5220/5320 (Non DTMF keypad models)	26.30
KLH-149K2	Nylon carrying case for NX-200/300/TK-5220/5320 (DTMF keypad models)	26.30

SPECIAL COLOR HOUSING		***LIST***
KWD-YH20-NX	Yellow Housing Kit for NX-x00 portables (6 Control Keys Version Only) Order **L-1714** for Factory Install. (required for Intrinsically Safe & IP67 radio orders)	40.00
KWD-OH20-NX	Orange Housing Kit for NX-x00 portables (6 Control Keys Version Only) Order **L-1739** for Factory Install. (required for Intyrinsically Safe & IP67 radio orders)	40.00

MICROPHONES & AUDIO ACCESSORIES		***LIST***
KMC-51M	MIL-SPEC, IP54/55 DSP Digital Noise-canceling Speaker Mic **[see note 2]**	250.00
KMC-52W	MIL-SPEC, **IP67 (Immersion)** DSP Digital Noise-canceling Speaker Mic **[see note 2]** **Note**: Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards	300.00
	[note 2]: To adjust microphone settings different from factory default, download KPG-147NC configuration software and special configuration firmware from Kenwood Tools (no charge).	
KMC-47GPS	GPS Speaker Microphone [Immersion Option compatible]	290.00
KMC-40	MIL-SPEC, Speaker Mic. with Antenna Connector **[Intrinsically Safe Approved Accessory]** **Note**: 5/16" Coax cable hex wrench included (antenna is not included).	250.00
KMC-41M	MIL-SPEC, IP54/55 Noise-canceling Speaker Mic **[Intrinsically Safe Approved Accessory]**	96.50
KMC-42WM	MIL-SPEC, **IP67 (Immersion)** Noise-canceling Speaker Mic **[Intrinsically Safe Approved Accessory]** **Note:** Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards	114.00
KEP-1	3.5mm earphone kit for KMC-25/26/41M/42WM Speaker Mics **[Intrinsically Safe Approved Accessory]**	52.50
KCT-30	2.5mm Audio Accessory Adapter for KEP-3/4 **[Intrinsically Safe Approved Accessory]**	64.00
KCT-51	Hirose 6-pin Adapter (adapts KVL/aftermarket audio acc. to portable connector) **[Intrinsically Safe Approved Accessory]**	215.00
KEP-3	30" Earphone kit w/ 2.5mm plug for KCT-30 **[Intrinsically Safe Approved Accessory]**	51.50
KEP-4	48" Earphone kit w/ 2.5mm plug for KCT-30 **[Intrinsically Safe Approved Accessory]**	54.75
KHS-11BE	2-wire palm mic w/earphone, universal connector (Beige) **[Intrinsically Safe Approved Accessory]**	156.50

MICROPHONES & AUDIO ACCESSORIES - CONT'D		***LIST***
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black) **[Intrinsically Safe Approved Accessory]**	156.50
KHS-12BE	3-wire mini lapel mic w/earphone, universal connector (Beige) **[Intrinsically Safe Approved Accessory]**	184.00
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black) **[Intrinsically Safe Approved Accessory]**	184.00
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT **[Intrinsically Safe Approved Accessory]**	126.00
KHS-15-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Approved Accessory]**	420.00
KHS-15-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Approved Accessory]**	368.00

FIRMWARE OPTIONS		***LIST***
KWD-P25C	P25 Flash upgrade; NX-200/300/700/800 Must order **L-1662** **Note**: KWD-P25C will be Kenwood factory installed only (units must be returned for upgrade)	792.00

SOFTWARE OPTIONS		***LIST***
KPG-150AP	NEXEDGE OTAP Manager Windows Software. • License Includes 10 radios / 1 Serial Port* • To add more radios/serial ports, you must contact Kenwood Systems Division [1-800-TRUNKING]	550.00
KPG-151AE	AES/DES Encryption Software Key Loader for KWD-DE21K/KWD-AE21K **Note**: KPG-151AE is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A) **- See IMPORTANT NOTES -**	525.00

OPTION MODULES		***LIST***
KCT-48VU	External Vibration Unit **[Intrinsically Safe Approved Accessory]** **Note:** Audio accessories cannot be used when this option installed.	49.00
KCT-57MS	Man-Down Internal Tilt Switch (Non-Mercury) **[Intrinsically Safe Approved Accessory]**- Must be Kenwood installed for I.S. Order **L-1093** for NXDN®/FleetSync® operations	22.00
KWD-AE20K	AES FIPS140-2 & DES Encryption Module for TK-5*10/5*20 & NX-*00/*10 Portables & Mobiles (except K7 & S Portable) **[Intrinsically Safe Approved Accessory]** - Order a Labor Code **L-1717** if installation is required. KWD-AE20K requires: a Motorola KVL3000 Plus key loader device. KWD-AE20K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) **- See IMPORTANT NOTES -**	998.00
KWD-AE21K	AES & DES Encryption Module for TK-5*10/5*20 & NX-*00/*10 Portables & Mobiles (except K7 & S Portable) **[Intrinsically Safe Approved Accessory]** - Order a Labor Code (**L-1718**) if installation is required. **Note**: Requires KPG-151AE software key loader or Motorola KVL3000 Plus key loader device. KWD-AE21K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) **- See IMPORTANT NOTES -**	998.00
KWD-DE21K	DES Encryption Module for TK-5*10/5*20 & NX-*00/*10 Portables & Mobiles (except S Portable) **[Intrinsically Safe Approved Accessory]** - Order a Labor Code (**L-1719)** if installation is required **Note**: Requires KPG-151AE software key loader or Motorola KVL3000 Plus key loader device. KWD-DE21K is a U.S. DOC/BIS Export Controlled Item (ECCN 5A992A) **- See IMPORTANT NOTES -**	578.00
VGS-1	Voice Guide and Storage Unit **[Intrinsically Safe Approved Accessory]**	87.50

SERVICE RELATED ACCESSORIES		***LIST***
KPG-111DNK	Windows® Programming Software for NX-200/210/300/410/411/700/800/900/901 (Compliant with FCC Part 90 Narrowbanding)	103.25
KPG-36UM	USB Programming interface cable	158.50

INSTALLATION / TUNING CHARGES		***LIST***
L-961	Assemble KMB-23 with six KSC-32K's (Rapid Rate, 120 Volt version only)	17.00
L-1084	NX-200(S)/300(S) Programming (with basic TX/RX check)	37.50
L-1087	Install VGS-1 Voice Guide & Storage Unit	25.00
L-1093	NX-200(S)/300(S) Portable KCT-57MS Installation (for NXDN® / FleetSync®)	20.00
L-1100	Multi-Channel Encoder Modification	25.00
L-1101	Configure NX-200/300 for Intrinsically Safe **Must order an I.S. battery**	70.00
L-1662	NX-200/300 P25 Conventional Software Upgrade **Must order a KWD-P25C firmware option**	N/C
L-1714	Assemble Yellow Housing KWD-YH20-NX with NX-200K/300K/300K3 Portable	27.00
L-1717	Install KWD-AE20K in NX-200/300 Portables (Must purchase module separately)	75.00
L-1718	Install KWD-AE21K in NX-200/300 Portables (Must purchase module separately)	75.00
L-1719	Install KWD-DE21K in NX-200/300 Portables (Must purchase module separately)	75.00
L-1739	Assemble Orange Housing KWD-OH20-NX with NX-200K/300K/300K3 Portable	27.00

MPT FIRMWARE/ACCESSORIES/TUNING		***LIST***
KPG-143DNK	Windows® Programming Software for NX series MPT (Compliant with FCC Part 90 Narrowbanding) (Dealer Level License ID included) **Note**: Must order **L-1727** for Network Level License ID & programming privileges	103.25
KWD-NX10MPT	MPT Trunking Field Upgrade Kit for NX series radio Must order **L-1729** **Note:** Not compatible with any other firmware options. Radio does not retain LTR trunking features once the MPT option is installed.	66.70
L-1726	Install MPT option in NX series radio	25.00
L-1727	Network Level License ID for KPG-143D(N) NX series Programmer	158.33
L-1728	Retrofit Install of MPT option in NX seires radio For previously purchased NX series radios. Order L-1728 through LMR order desk/rep. Ship radios to attn: Kenwood LMR Tuning, Long Beach for installation. Include Kenwood order number for L-1728 provided by order desk & copy of company P.O. or P.O. number. **Note:** see NX series MPT Introduction Sales Bulletin for details	85.00
L-1729	NX Series Radio MPT Firmware FIELD-UPGRADE (Must purchase KWD-NX10MPT separately)	NC
L-1730	Install KCT-57MS (for MPT Emergency Call)	20.00

PassPort® for NX-200/300 Series Portables

PassPort® Options for NEW Radio Orders (Kenwood-installed)

KPG-163DNK	Programming software for NX-200/300/700/800 with PassPort®/NEXEDGE® Options Installed (12.5 /6.25 CH bandwidths only) • Programs NEXEDGE, PassPort®, LTR & analog Conventional modes. • Not for use on a standard NEXEDGE radios • **KPG-111D(N) Must be installed in PC prior to installing KPG-163DNK.**	165.00
L-1743	Install PassPort®-Classic / NEXEDGE option in NX- 200/300/700/800 • Order one per radio • KPG-163DNK required to program radio	80.00
L-1744	Install PassPort®-Enhanced / NEXEDGE Option in NX- 200/300/700/800 • Order one per radio • KPG-163DNK required to program radio	108.35
PGM-NX-PP	PassPort ESN Generator device for NX-200/300/700/800 **Note: PGM-NX-PP is stocked in minimum quantities. Please anticipate a minimum of 30 day lead time and call order desk to verify availability.** • The TK-x180 PassPort ESN Generator device is NOT compatible for NX-x00 ESN loads. • The PGM-NX-PP requires older KPG-36AM (portable) & KPG-46AM (mobile) radio program interface cables with serial DB9 and an aftermarket DB9F-to-DB25M adapter ("KPG-XXUM" USB style cables are not compatible).	200.00

PassPort® Options for Dealer/Operator Field Conversions (Field-installation kits) - Information on following page

PassPort® Options for Dealer/Operator Field Conversions (Field-installation kits)

KPG-163DNK	Programming software for NX-200/300/700/800 with PassPort®/NEXEDGE® Options Installed (12.5 /6.25 CH bandwidths only) • Programs NEXEDGE, PassPort®, LTR & analog Conventional modes. • Not for use on a standard NEXEDGE radios • **KPG-111D(N) Must be installed in PC prior to installing KPG-163DNK.**	165.00
L-1745	Field Retrofit PassPort®-Classic / NEXEDGE option for NX-200/300/700/800 (order one option per the number of ESNs required) • ESN activation file with ordered number of ESNs and firmware will be shipped on a CD ROM. Allow 15 business days ARO. • KPG-163DNK required to program radio • **Requires PGM-NX-PP PassPort ESN Generator device** • Note: The TK-x180 PassPort ESN Generator device is NOT compatible for NX-x00 ESN loads.	80.00
L-1746	Field Retrofit PassPort®-Enhanced / NEXEDGE Option for NX-200/300/700/800 orders (order option one per the number of ESNs required) • ESN activation file with ordered number of ESNs and firmware will be shipped on a CD ROM. Allow 15 business days ARO. • KPG-163DNK required to program radio • **Requires PGM-NX-PP PassPort ESN Generator device** • Note: The TK-x180 PassPort ESN Generator device is NOT compatible for NX-x00 ESN loads.	108.35
PGM-NX-PP	PassPort ESN Generator device for NX-200/300/700/800 **Note: PGM-NX-PP is stocked in minimum quantities. Please anticipate a minimum of 30 day lead time and call order desk to verify availability.** • The TK-x180 PassPort ESN Generator device is NOT compatible for NX-x00 ESN loads. • The PGM-NX-PP requires older KPG-36AM (portable) & KPG-46AM (mobile) radio program interface cables with serial DB9 and an aftermarket DB9F-to-DB25M adapter ("KPG-XXUM" USB style cables are not compatible).	200.00

-- IMPORTANT NOTES --

Encryption modules, key loaders and radios containing encryption are export controlled by the U.S. Department of Commerce Bureau of Industry & Security EAR regulations and may either require an Export License, are eligible for a License Exception (ENC) or are exportable with No License Required (NLR) depending on the country, the consignee and the intended use. High level encryption is a special commodity that may require an export license to most countries. See www.bis.gov for more information regarding export regulations. DO NOT SHIP encryption items outside the U.S. without proper DOC/BIS Export Licenses and/or compliances.

Kenwood may request the following information to be submitted at time of order (this information must meet Kenwood internal approvals prior to shipment even if being returned to Kenwood later:

a) Initial Destination: Initial delivery point if different from Ultimate Destination
(customer distribution center, headquarters, dealership, manufacturer's representative)
* Business/Agency Name:
* Address:
* Contact Person Name:
* Contact Phone:

b) Ultimate Destination: Final delivery point(s); deployment/distribution
* Business/Agency Name:
* Address:
* Contact Person Name:
* Contact Phone:

c) Intended Use of Radios: Law enforcement, security, operations, etc.

KWD-AE20 AES FIPS140-2 SCM , NIST Validation & Customer Shipping

A secure delivery method direct to the end user customer is required by the NIST AES FIPS 140-2 validation rules. For U.S. Federal Government entities the SCM must ship from Kenwood USA Corporation directly to the end user customer by a trusted carrier (FEDEX, UPS or a designated Kenwood USA Corporation employee); shipping/handling by a dealer or other entity is not acceptable. This may or may not be required by local/state government agencies or business/industrial users. Please check with the end use customer about their AES encryption handling requirements before ordering. Kenwood will not be responsible for shipments of KWD-AE20K modules to erroneous destinations specified on an order.

NX-200G/300G

Table of Contents

NEXEDGE® VHF/UHF Digital & FM Analog Portable Radios (w/ built-in GPS)

All NX-G series portables include:
- Belt Clip (KBH-11)
- Universal Connector Cap
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

Purchase Battery, Charger, Antenna separately

GENERAL FEATURES
- 5 W (136-174 MHz) Models
- 5 W (400-470, 450-520 MHz) Models
- 512 CH-GID / 128 Zones
- 12-Key Keypad Models
- 14 Character Alphanumeric Aliases
- Backlit Dot Matrix LCD
- Function/Status LCD Icons
- Multi-Language Display
- Date & 12/24 Hour Time Clock
- Transmit/Busy/Call Alert/Warn LED
- On/Off Volume Knob
- 16-Position Mechanical Selector
- 6 Front PF & Menu Keys
- 2 Side PF Keys
- 500 mW Speaker Audio
- Emergency Call Features
- Built-in GPS Unit
(KRA-43G/44G is required for GPS operation)
- KMC-51/52 Digital Noise-Canceling Speaker Mic Option
- KPG-111D Windows® FPU
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- IP54/55 Water & Dust Intrusion
- Immersion (IP67) Option
- PC Serial Interface
- SDM Manual Input1
- Transparent Data Mode
- VGS-1 Voice Guide/ Voice & GPS Data Storage Option
- Color Housing Option

DIGITAL – GENERAL
- NXDN® Digital Air Interface
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming
- Paging Call
- Emergency Call
- All Group Call
- Status Messaging
- Remote Stun/Kill/Check
- Short & Long Data Messages
- GPS Location with Voice
- NXDN® Scrambler Included
- DES Encryption Module Option
- AES & DES Encryption Module Option
- AES/DES Software Key Loader Option

DIGITAL – CONVENTIONAL MODE
- 64 Radio Access Numbers (RAN)
- Individual & Group Selective Call
- Mixed FM/Digital Operation
- Conventional IP Networks
- Site Roaming

DIGITAL – TRUNKING MODE
- Individual Private Call
- Group Call & Broadcast Call
- Telephone Interconnect
- Transmission Trunked Mode
- Message Trunked Mode
- Call Queuing with Priority
- Late Entry (UID & GID)
- 4 Priority Monitor ID's
- Remote Group Add
- Failsoft Mode

MULTI-SITE IP NETWORKS COMPATIBLE
- 60,000 GIDs / UIDs
- Wide Area Group Call
- Auto Roaming Registration
- Group Registration

MULTI-SYSTEM COMPATIBLE
- 8 Trunked Networks per radio (each in a zone)
- UID Lists for each network

SCAN
- Single Zone / Multi-Zone / List Scan
- Dual Priority Scan (Conventional)

ANALOG MODE – GENERAL
- 25 & 12.5 kHz Channels
- Conventional & LTR® Zones
- FleetSync®/II, MDC-1200, DTMF
- QT / DQT & Two-Tone (Conventional Zones Only)
- Voice Inversion Scrambler
- Analog Scrambler Board Capability

FleetSync®/II (FM)
- PTT ID ANI / Caller ID
- Selective / Group Call
- Emergency Status / Text Messages

MDC-1200
- PTT ID ANI / Caller ID
- Emergency / Radio Check & Inhibit

RADIO		*LIST*
NX-200GK	136-174MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys	684.00
NX-200GK2	136-174MHz 5W, 14 characters Alphanumeric LCD, Full Keypad	734.00
NX-300GK	450-520MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys	684.00
NX-300GK2	400-470MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys	684.00
NX-300GK3	450-520MHz 5W, 14 characters Alphanumeric LCD, Full Keypad	734.00
NX-300GK4	400-470MHz 5W, 14 characters Alphanumeric LCD, Full Keypad	734.00

RADIO - CONT'D		***LIST***
IP67 (Immersion) Package Models		
NX-200-WGK	136-174MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys **[see note 1]**	867.00
NX-200-WGK2	136-174MHz 5W, 14 characters Alphanumeric LCD, Full Keypad **[see note 1]**	917.00
NX-300-WGK	450-520MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys **[see note 1]**	867.00
NX-300-WGK2	400-470MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys **[see note 1]**	867.00
NX-300-WGK3	450-520MHz 5W, 14 characters Alphanumeric LCD, Full Keypad **[see note 1]**	917.00
NX-300-WGK4	400-470MHz 5W, 14 characters Alphanumeric LCD, Full Keypad **[see note 1]**	917.00
IP67 Custom Color Radio Housing		
NX-200-WGKYH	NX-200-WK with Yellow Housing Option Installed **[see note 1]**	934.00
NX-200-WGKOH	NX-200-WK with Orange Housing Option Installed **[see note 1]**	934.00
NX-300-WGKYH	NX-300-WK with Yellow Housing Option Installed **[see note 1]**	934.00
NX-300-WGKOH	NX-300-WK with Orange Housing Option Installed **[see note 1]**	934.00
NX-300-WGK2YH	NX-300-WK2 with Yellow Housing Option Installed **[see note 1]**	934.00
NX-300-WGK2OH	NX-300-WK2 with Orange Housing Option Installed **[see note 1]**	934.00

[note 1]: these models are stocked in minimum quantities. Please anticipate a minimum 45-90 day lead time and call order desk to verify availability. Service must be performed at one of the 3 Kenwood National Service Centers to maintain certification up to 3 years of Product's Limited Warranty period.

ANTENNAS		***LIST***
KRA-43GM	VHF helical antenna 146-162 MHz (w/GPS)	17.40
KRA-43GM2	VHF helical antenna 162-174 MHz (w/GPS)	17.40
KRA-43GM3	VHF helical antenna 136-150 MHz (w/GPS)	17.40
KRA-44GM	UHF helical antenna 440-490 MHz (w/GPS)	17.40
KRA-44GM2	UHF helical antenna 470-520 MHz (w/GPS)	17.40
KRA-44GM3	UHF helical antenna 400-450 MHz (w/GPS)	17.40
KRA-26M	VHF helical antenna 146-162 MHz	14.00
KRA-26M2	VHF helical antenna 162-174 MHz	14.00
KRA-26M3	VHF helical antenna 136-150 MHz	14.00
KRA-27M	UHF whip antenna 440-490 MHz	14.00
KRA-27M2	UHF whip antenna 470-520 MHz	14.00
KRA-27M3	UHF whip antenna 400-450 MHz	14.00
KRA-22M	VHF low-profile helical antenna 148-162 MHz	13.70
KRA-22M2	VHF low-profile helical antenna 162-174 MHz	13.70
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	13.70
KRA-23M	UHF low-profile helical antenna 450-490 MHz	13.70
KRA-23M2	UHF low-profile helical antenna 470-512 MHz	13.70
KRA-23M3	UHF low-profile helical antenna 403-430 MHz	13.70
KRA-25	High gain VHF helically loaded whip antenna 148-162 MHz	34.25
KRA-28	Broad-band VHF helically loaded whip antenna 140-170 MHz	42.00

BATTERIES AND CHARGERS		***LIST***
KNB-47L	1950 mAh, Li-ion battery - requires KSC-32/326K charger **[Immersion Option compatible]**	105.00
KNB-48L	2550 mAh, Li-ion battery - requires KSC-32/326K charger **[Immersion Option compatible]**	122.50
KBP-7	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included **Note:** the color of the case is orange	68.50
KSC-32	Rapid rate single unit charger for KNB-31A/32N/33L/41NC/43L/47L/48L/50NC **Note:** Includes 110/220V auto-switching AC adapter with U.S.-style line cord plug; requires plug adapter for 220V Euro-style outlets (not supplied).	70.00
KSC-326K	Rapid rate 6-unit charger for KNB-31A/32N/33L/41NC/43L/47L/48L/50NC	630.00
KMB-30M	Wall Mount Bracket for KSC-326K/256K	33.75
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	191.00

BATTERIES AND CHARGERS CONT'D		***LIST***
KVC-15	Rapid rate DC vehicular charger adapter for the KSC-32 (chargers not included; includes KSC-mobile bracket & cigarette lighter cable DC adapter)	119.00
KVC-20L	Vehicular D.C. Charger for 180/5**0/, NX Portables with Li-ion or Li Polymer Battery	497.00

CARRYING ACCESSORIES		***LIST***
KBH-11	Spring action belt clip (2.5")	14.70
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	26.30
KLH-6SW	Leather swivel belt loop / detachable swivel D-Ring back	22.00
KLH-137ST	Firemen's Heavy-Duty Leather Shoulder Strap for a Heavy-Duty Leather Case (KLH-75B/76B/78B/79B//92/122/123/133/148/154)	36.75
KLH-148K	Heavy duty leather carrying case for NX-200/300/TK-5220/5320 (Non DTMF keypad models)	44.25
KLH-148K2	Heavy duty leather carrying case for NX-200/300/TK-5220/5320 (DTMF keypad models)	44.25
KLH-149K	Nylon carrying case for NX-200/300/TK-5220/5320 (Non DTMF keypad models)	26.30
KLH-149K2	Nylon carrying case for NX-200/300/TK-5220/5320 (DTMF keypad models)	26.30

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KCT-48VU	External Vibration Unit **Note:** Audio accessories cannot be used when this option installed.	49.00
KCT-57MS	Man-Down Internal Tilt Switch (Non-Mercury) Order **L-1093** for NXDN®/FleetSync® operations	22.00
KWD-AE20K	AES FIPS140-2 & DES Encryption Module for TK-5*10/5*20 & NX-*00/*10 Portables & Mobiles (except K7 & S Portable) Order a Labor Code **L-1717** if installation is required. **[see Note 3]** KWD-AE20K requires: a Motorola KVL3000 Plus key loader device. KWD-AE20K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) **- See IMPORTANT NOTES -**	998.00
KWD-AE21K	AES & DES Encryption Module for TK-5*10/5*20 & NX-*00/*10 Portables & Mobiles (except K7 & S Portable) **[see Note 3]** Order a Labor Code (**L-1718**) if installation is required. **Note**: Requires KPG-151AE software key loader or Motorola KVL3000 Plus key loader device. KWD-AE21K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) **- See IMPORTANT NOTES -**	998.00
KWD-DE21K	DES Encryption Module for TK-5*10/5*20 & NX-*00/*10 Portables & Mobiles (except S Portable) **[see Note 3]** Order a Labor Code (**L-1719)** if installation is required **Note**: Requires KPG-151AE software key loader or Motorola KVL3000 Plus key loader device. KWD-DE21K is a U.S. DOC/BIS Export Controlled Item (ECCN 5A992A) **- See IMPORTANT NOTES -**	578.00
VGS-1	Voice Guide and Storage Unit **[see Note 3]**	87.50

[note 3]: To install an AES/DES module, a DES module, or a VGS unit, a GPS unit must be removed.

SERVICE RELATED ACCESSORIES		***LIST***
KPG-111DNK **(Ver 4.4 or newer)**	Windows® Programming Software for NX-200/210/300/410/411/700/800/900/901 (Compliant with FCC Part 90 Narrowbanding)	103.25
KPG-36UM	USB Programming interface cable	158.50

INSTALLATION / TUNING CHARGES		***LIST***
L-961	Assemble KMB-23 with six KSC-32K's (Rapid Rate, 120 Volt version only)	17.00
L-1084	NX-200(S)/300(S) Programming (with basic TX/RX check)	37.50
L-1087	Install VGS-1 Voice Guide & Storage Unit	25.00
L-1093	NX-200(S)/300(S) Portable KCT-57MS Installation (for NXDN® / FleetSync®)	20.00
L-1100	Multi-Channel Encoder Modification	25.00
L-1714	Assemble Yellow Housing KWD-YH20-NX with NX-200K/300K/300K3 Portable	27.00
L-1717	Install KWD-AE20K in NX-200/300 Portables (Must purchase module separately)	75.00
L-1718	Install KWD-AE21K in NX-200/300 Portables (Must purchase module separately)	75.00
L-1719	Install KWD-DE21K in NX-200/300 Portables (Must purchase module separately)	75.00
L-1739	Assemble Orange Housing KWD-OH20-NX with NX-200K/300K/300K3 Portable	27.00

-- IMPORTANT NOTES --

Encryption modules, key loaders and radios containing encryption are export controlled by the U.S. Department of Commerce Bureau of Industry & Security EAR regulations and may either require an Export License, are eligible for a License Exception (ENC) or are exportable with No License Required (NLR) depending on the country, the consignee and the intended use. High level encryption is a special commodity that may require an export license to most countries. See www.bis.gov for more information regarding export regulations. DO NOT SHIP encryption items outside the U.S. without proper DOC/BIS Export Licenses and/or compliances.

Kenwood may request the following information to be submitted at time of order (this information must meet Kenwood internal approvals prior to shipment even if being returned to Kenwood later:

a) Initial Destination: Initial delivery point if different from Ultimate Destination
(customer distribution center, headquarters, dealership, manufacturer's representative)
* Business/Agency Name:
* Address:
* Contact Person Name:
* Contact Phone:

b) Ultimate Destination: Final delivery point(s); deployment/distribution
* Business/Agency Name:
* Address:
* Contact Person Name:
* Contact Phone:

c) Intended Use of Radios: Law enforcement, security, operations, etc.

KWD-AE20 AES FIPS140-2 SCM , NIST Validation & Customer Shipping

A secure delivery method direct to the end user customer is required by the NIST AES FIPS 140-2 validation rules. For U.S. Federal Government entities the SCM must ship from Kenwood USA Corporation directly to the end user customer by a trusted carrier (FEDEX, UPS or a designated Kenwood USA Corporation employee); shipping/handling by a dealer or other entity is not acceptable. This may or may not be required by local/state government agencies or business/industrial users. Please check with the end use customer about their AES encryption handling requirements before ordering. Kenwood will not be responsible for shipments of KWD-AE20K modules to erroneous destinations specified on an order.

Table of Contents

NX-210

NEXEDGE® VHF Digital & FM Analog Portable Radio

210 series portable include:
- Belt Clip (KBH-11)
- Universal Connector Cap
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

Order packages to include Battery, Charger & Antenna, or purchase Battery, Charger, and Antenna separately.

GENERAL FEATURES
- 5 W (136-174 MHz) Model
- 512 CH-GID / 128 Zones
- 12-Key Keypad Model
- 14 Character Alphanumeric Aliases
- Backlit Dot Matrix LCD
- Function/Status LCD Icons
- Multi-Language Display
- Date & 12/24 Hour Time Clock
- Transmit/Busy/Call Alert/Warn LED
- On/Off Volume Knob
- 6 Front PF & Menu Keys
- 2 Side PF Keys
- Emergency/AUX Key
- 500 mW Speaker Audio
- KMC-47GPS Speaker Mic Option
- KPG-111D Windows® FPU
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- MIL-STD "Driven-Rain"
- IP54/55 Water & Dust Intrusion
- PC Serial Interface
- SDM Manual Input
- Transparent Data Mode
- Intrinsically Safe Option
- VGS-1 Voice Guide/Voice & GPS Data Storage Option

DIGITAL – GENERAL
- NXDN® Digital Air Interface
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming
- Paging Call
- Emergency Call
- All Group Call
- Status Messaging
- Remote Stun/Kill
- Remote Check
- Short & Long Data Messages
- GPS Location with Voice
- NXDN® Scrambler Included
- DES Encryption Module Option
- AES & DES Encryption Module Option
- AES/DES Software Key Loader Option

DIGITAL – CONVENTIONAL MODE
- 64 Radio Access Numbers (RAN)
- Individual & Group Selective Call
- Mixed FM/Digital Operation
- Conventional IP Networks
- Site Roaming

DIGITAL – TRUNKING MODE
- Individual Private Call
- Group Call & Broadcast Call
- Telephone Interconnect
- Transmission Trunked Mode
- Message Trunked Mode
- Call Queuing with Priority
- Late Entry (UID & GID)
- 4 Priority Monitor ID's
- Remote Group Add
- Failsoft Mode

MULTI-SITE IP NETWORKS COMPATIBLE
- 60,000 GIDs / UIDs
- Wide Area Group Call
- Auto Roaming Registration
- Group Registration

SCAN
- Single Zone / Multi-Zone / List Scan
- Dual Priority Scan (Conventional)

ANALOG MODE – GENERAL
- 25 & 12.5 kHz Channels
- Conventional & LTR® Zones
- FleetSync®/II, MDC-1200, DTMF
- QT / DQT & Two-Tone (Conventional Zones Only)
- Voice Inversion Scrambler
- Analog Scrambler Board Capability

FleetSync®/II (FM)
- PTT ID ANI / Caller ID
- Selective / Group Call
- Emergency Status / Text Messages

MDC-1200
- PTT ID ANI / Caller ID
- Emergency / Radio Check & Inhibit

* Approved by CSA International Inc. for Classes I, II & III, Div. 1, Groups C, D, E, F, G and are also approved for non-Incendive use in Class I, Div. 2, Groups A, B, C, D hazardous locations.
Note: Class I, Div 2 Group A & B Gases require use of a portable carrying case.

PACKAGE		***LIST***
NX-210K2-LKP	136-174MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys, Full Keypad VHF Li-Ion Battery Package (NX-210K2 + KNB-33L + KSC-32 + KBH-11 + KRA-26M)	923.00

RADIO		***LIST***
NX-210K2	136-174MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys, Full Keypad	734.00

CSA APPROVED I.S. MODEL		***LIST***
	Must Order L-1750 & an Intrinsically Safe Battery per radio	
NX-210-ISK2	136-174MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys, Full Key (I.S.)	734.00

ANTENNAS		***LIST***
KRA-26M	VHF helical antenna 146-162 MHz	14.00
KRA-26M2	VHF helical antenna 162-174 MHz	14.00
KRA-26M3	VHF helical antenna 136-150 MHz	14.00
KRA-22M	VHF low-profile helical antenna 148-162 MHz	13.70
KRA-22M2	VHF low-profile helical antenna 162-174 MHz	13.70
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	13.70
KRA-25	High gain VHF helically loaded whip antenna 148-162 MHz	34.25
KRA-28	Broad-band VHF helically loaded whip antenna 140-170 MHz	42.00

BATTERIES AND CHARGERS		***LIST***
KNB-54N	2500 mAh, Ni-MH battery - requires KSC-32/326K charger	87.50
KNB-33L	2000 mAh, Li-ion battery - requires KSC-32/326K charger	105.00
KNB-41NC-CSA-US	2500 mAh, Ni-MH battery - requires KSC-32/326K charger **[CSA Intrinsically Safe Option]**	136.50
KNB-43L	3300 mAh, Li-Polymer battery - requires KSC-32/326K charger	163.00
KNB-49PL	4500 mAh, Primary Lithium battery **Note**: **Non-Rechargeable** (please recycle all batteries properly) 10 year Shelf Life (approx. 1% charge degradation per year when properly stored: +50 ºF to +86 ºF @ less than 70% humidity	84.00
KBP-6	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included **Note:** the color of the case is orange	68.50
KSC-32	Rapid rate single unit charger for KNB-31A/32N/33L/41NC/43L/47L/48L/50NC **Note:** Includes 110/220V auto-switching AC adapter with U.S.-style line cord plug; requires plug adapter for 220V Euro-style outlets (not supplied).	70.00
KSC-326K	Rapid rate 6-unit charger for KNB-31A/32N/33L/41NC/43L/47L/48L/50NC	630.00
KMB-30M	Wall Mount Bracket for KSC-326K/256K	33.75
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	191.00
KVC-15	Rapid rate DC vehicular charger adapter for the KSC-32 (chargers not included; includes KSC-mobile bracket & cigarette lighter cable DC adapter)	119.00
KVC-18	Vehicular D.C. Charger for 180/5*10 Portables with NiCd or NiMH Battery	446.50
KVC-20L	Vehicular D.C. Charger for 180/5**0/, NX Portables with Li-ion or Li Polymer Battery	497.00

CARRYING ACCESSORIES		***LIST***
KBH-10	Low profile spring action belt clip (for use with KNB-33L Only)	8.35
KBH-11	Spring action belt clip (2.5")	14.70
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	26.30
KLH-6SW	Leather swivel belt loop / detachable swivel D-Ring back	22.00
KLH-137ST	Firemen's Heavy-Duty Leather Shoulder Strap for a Heavy-Duty Leather Case (KLH-75B/76B/78B/79B//92/122/123/133/148/154)	36.75
KLH-154K2	Heavy duty leather carrying case for NX-210K2/410K2/411K2 **Note:** No belt loop flap is included. Must order KLH-6SW for belt loop.	44.25
KWR-1	Water resistant bag	29.85

MICROPHONES & AUDIO ACCESSORIES		***LIST***
KMC-51M	MIL-SPEC, IP54/55 DSP Digital Noise-canceling Speaker Mic **[see note 1]** **[Intrinsically Safe Approved Accessory]** * CSA Intrinsically Safe Approved except for Group C gases	250.00
KMC-52W	MIL-SPEC, IP67 (Immersion) DSP Digital Noise-canceling Speaker Mic **[see note 1]** **Note**: Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards **[Intrinsically Safe Approved Accessory]** * CSA Intrinsically Safe Approved except for Group C gases	300.00
	[note 1]: To adjust microphone settings different from factory default, download KPG-147NC configuration software and special configuration firmware from Kenwood Tools (no charge).	
KMC-47GPS	GPS Speaker Microphone **[Intrinsically Safe Approved Accessory]** * CSA Intrinsically Safe Approved except for Group C gases	290.00
KMC-40	MIL-SPEC, Speaker Mic. with Antenna Connector **[Intrinsically Safe Approved Accessory]** **Note**: 5/16" Coax cable hex wrench included (antenna is not included).	250.00
KMC-41M	MIL-SPEC, IP54/55 Noise-canceling Speaker Mic **[Intrinsically Safe Approved Accessory]**	96.50
KMC-42WM	MIL-SPEC, IP67 (Immersion) Noise-canceling Speaker Mic **[Intrinsically Safe Approved Accessory]** **Note:** Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards	114.00
KEP-1	3.5mm earphone kit for KMC-25/26/41M/42WM Speaker Mics **[Intrinsically Safe Approved Accessory]**	52.50
KCT-30	2.5mm Audio Accessory Adapter for KEP-3/4 **[Intrinsically Safe Approved Accessory]**	64.00
KCT-51	Hirose 6-pin Adapter (adapts KVL/aftermarket audio acc. to portable connector) **[Intrinsically Safe Approved Accessory]**	215.00
KEP-3	30" Earphone kit w/ 2.5mm plug for KCT-30 **[Intrinsically Safe Approved Accessory]**	51.50
KEP-4	48" Earphone kit w/ 2.5mm plug for KCT-30 **[Intrinsically Safe Approved Accessory]**	54.75
KHS-11BE	2-wire palm mic w/earphone, universal connector (Beige) **[Intrinsically Safe Approved Accessory]**	156.50
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black) **[Intrinsically Safe Approved Accessory]**	156.50
KHS-12BE	3-wire mini lapel mic w/earphone, universal connector (Beige) **[Intrinsically Safe Approved Accessory]**	184.00
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black) **[Intrinsically Safe Approved Accessory]**	184.00
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT **[Intrinsically Safe Approved Accessory]**	126.00
KHS-15-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Approved Accessory]**	420.00
KHS-15-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Approved Accessory]**	368.00

SOFTWARE OPTIONS		***LIST***
KPG-150AP	NEXEDGE OTAP Manager Windows Software. • License Includes 10 radios / 1 Serial Port* • To add more radios/serial ports, you must contact Kenwood Systems Division [1-800-TRUNKING]	550.00
KPG-151AE	AES/DES Encryption Software Key Loader for KWD-DE21K/KWD-AE21K **Note**: KPG-151AE is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A) **- See IMPORTANT NOTES -**	525.00

OPTION MODULES		***LIST***
KCT-48VU	External Vibration Unit **[Intrinsically Safe Approved Accessory]** **Note:** Audio accessories cannot be used when this option installed.	49.00
KCT-57MS	Man-Down Internal Tilt Switch (Non-Mercury) **[Intrinsically Safe Approved Accessory]**- Must be Kenwood installed for I.S.	22.00
KWD-AE20K	AES FIPS140-2 & DES Encryption Module for TK-5*10/5*20 & NX-*00/*10 Portables & Mobiles (except K7 Portable) **[Intrinsically Safe Approved]** - Order a Labor Code **L-1723** if installation is required. KWD-AE20K requires: a Motorola KVL3000 Plus key loader device. KWD-AE20K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) **- See IMPORTANT NOTES -**	998.00
KWD-AE21K	AES & DES Encryption Module for TK-5*10/5*20 & NX-*00/*10 Portables & Mobiles (except K7 Portable) **[Intrinsically Safe Approved]** - Order a Labor Code (**L-1724**) if installation is required. **Note**: Requires KPG-151AE software key loader or Motorola KVL3000 Plus key loader device. KWD-AE21K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) **- See IMPORTANT NOTES -**	998.00
KWD-DE21K	DES Encryption Module for TK-5*10/5*20 & NX-*00/*10 Portables & Mobiles **[Intrinsically Safe Approved]** - Order a Labor Code (**L-1725)** if installation is required **Note**: Requires KPG-151AE software key loader or Motorola KVL3000 Plus key loader device. KWD-DE21K is a U.S. DOC/BIS Export Controlled Item (ECCN 5A992A) **- See IMPORTANT NOTES -**	578.00
VGS-1	Voice Guide and Storage Unit **[Intrinsically Safe Approved Accessory]**	87.50

SERVICE RELATED ACCESSORIES		***LIST***
KPG-111DNK	Windows® Programming Software for NX-200/210/300/410/411/700/800/900/901 (Compliant with FCC Part 90 Narrowbanding)	103.25
KPG-36UM	USB Programming interface cable	158.50

INSTALLATION / TUNING CHARGES		***LIST***
L-961	Assemble KMB-23 with six KSC-32K's (Rapid Rate, 120 Volt version only)	17.00
L-1633	NX-210 Programming (with basic TX/RX check)	37.50
L-1667	Install VGS-1 Voice Guide & Storage Unit in NX-210	25.00
L-1671	NX-210/410/411 Portable KCT-57MS Installation (for NXDN® / FleetSync®)	20.00
L-1723	Install KWD-AE20K in NX-210/410/411 Portables (Must purchase module separately)	75.00
L-1724	Install KWD-AE21K in NX-210/410/411 Portables (Must purchase module separately)	75.00
L-1725	Install KWD-DE21K in NX-210/410/411 Portables (Must purchase module separately)	75.00
L-1750	Configure NX-210/410/411 for Intrinsically Safe **Must order an I.S. battery, KNB-41NC-CSA-US**	70.00

-- IMPORTANT NOTES --

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Kenwood may request the following information to be submitted at time of order (this information must meet Kenwood internal approvals prior to shipment even if being returned to Kenwood later:

a) Initial Destination: Initial delivery point if different from Ultimate Destination
(customer distribution center, headquarters, dealership, manufacturer's representative)
* Business/Agency Name:
* Address:
* Contact Person Name:
* Contact Phone:

b) Ultimate Destination: Final delivery point(s); deployment/distribution
* Business/Agency Name:
* Address:
* Contact Person Name:
* Contact Phone:

c) Intended Use of Radios: Law enforcement, security, operations, etc.

KWD-AE20 AES FIPS140-2 SCM , NIST Validation & Customer Shipping

A secure delivery method direct to the end user customer is required by the NIST AES FIPS 140-2 validation rules. For U.S. Federal Government entities the SCM must ship from Kenwood USA Corporation directly to the end user customer by a trusted carrier (FEDEX, UPS or a designated Kenwood USA Corporation employee); shipping/handling by a dealer or other entity is not acceptable. This may or may not be required by local/state government agencies or business/industrial users. Please check with the end use customer about their AES encryption handling requirements before ordering. Kenwood will not be responsible for shipments of KWD-AE20K modules to erroneous destinations specified on an order.

NX-210GK

NEXEDGE® VHF Digital & FM Analog Portable Radio

210G series portable include:
- Belt Clip (KBH-11)
- Universal Connector Cap
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

Order packages to include Battery, Charger & Antenna, or purchase Battery, Charger, and Antenna separately.

GENERAL FEATURES
- 5 W (136-174 MHz) Model
- 512 CH-GID / 128 Zones
- 12-Key Keypad Model
- 14 Character Alphanumeric Aliases
- Backlit Dot Matrix LCD
- Function/Status LCD Icons
- Multi-Language Display
- Date & 12/24 Hour Time Clock
- Transmit/Busy/Call Alert/Warn LED
- On/Off Volume Knob
- 6 Front PF & Menu Keys
- 2 Side PF Keys
- Emergency/AUX Key
- 500 mW Speaker Audio
- Built-In GPS Unit
- KPG-111D Windows® FPU
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- MIL-STD "Driven-Rain"
- IP54/55 Water & Dust Intrusion
- PC Serial Interface
- SDM Manual Input
- Transparent Data Mode
- VGS-1 Voice Guide/Voice & GPS Data Storage Option*

DIGITAL – GENERAL
- NXDN® Digital Air Interface
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming
- Paging Call
- Emergency Call
- All Group Call
- Status Messaging
- Remote Stun/Kill
- Remote Check
- Short & Long Data Messages
- GPS Location with Voice
- NXDN® Scrambler Included
- DES Encryption Module Option*
- AES & DES Encryption Module Option*
- AES/DES Software Key Loader Option

DIGITAL – CONVENTIONAL MODE
- 64 Radio Access Numbers (RAN)
- Individual & Group Selective Call
- Mixed FM/Digital Operation
- Conventional IP Networks
- Site Roaming

DIGITAL – TRUNKING MODE
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- Message Trunked Mode
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- Remote Group Add
- Failsoft Mode

MULTI-SITE IP NETWORKS COMPATIBLE
- 60,000 GIDs / UIDs
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- Auto Roaming Registration
- Group Registration

SCAN
- Single Zone / Multi-Zone / List Scan
- Dual Priority Scan (Conventional)

ANALOG MODE – GENERAL
- 25 & 12.5 kHz Channels
- Conventional & LTR® Zones
- FleetSync®/II, MDC-1200, DTMF
- QT / DQT & Two-Tone (Conventional Zones Only)
- Voice Inversion Scrambler
- Analog Scrambler Board Capability

FleetSync®/II (FM)
- PTT ID ANI / Caller ID
- Selective / Group Call
- Emergency Status / Text Messages

MDC-1200
- PTT ID ANI / Caller ID
- Emergency / Radio Check & Inhibit

* Must remove GPS module to utilize these options

PACKAGE		***LIST***
NX-210GK2-LKP	136-174MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys, Full Keypad VHF Li-Ion Battery Package (NX-210K2 + KNB-33L + KSC-32 + KBH-11 + KRA-26M)	923.00

RADIO		***LIST***
NX-210GK2	136-174MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys, Full Keypad	734.00

ANTENNAS		***LIST***
KRA-43GM	VHF helical antenna 146-162 MHz (w/GPS)	17.40
KRA-43GM2	VHF helical antenna 162-174 MHz (w/GPS)	17.40
KRA-43GM3	VHF helical antenna 136-150 MHz (w/GPS)	17.40
KRA-26M	VHF helical antenna 146-162 MHz	14.00
KRA-26M2	VHF helical antenna 162-174 MHz	14.00
KRA-26M3	VHF helical antenna 136-150 MHz	14.00
KRA-22M	VHF low-profile helical antenna 148-162 MHz	13.70
KRA-22M2	VHF low-profile helical antenna 162-174 MHz	13.70
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	13.70
KRA-25	High gain VHF helically loaded whip antenna 148-162 MHz	34.25
KRA-28	Broad-band VHF helically loaded whip antenna 140-170 MHz	42.00

BATTERIES AND CHARGERS		***LIST***
KNB-54N	2500 mAh, Ni-MH battery - requires KSC-32/326K charger	87.50
KNB-33L	2000 mAh, Li-ion battery - requires KSC-32/326K charger	105.00
KNB-43L	3300 mAh, Li-Polymer battery - requires KSC-32/326K charger	163.00
KNB-49PL	4500 mAh, Primary Lithium battery **Note**: **Non-Rechargeable** (please recycle all batteries properly) 10 year Shelf Life (approx. 1% charge degradation per year when properly stored: +50 °F to +86 °F @ less than 70% humidity	84.00
KBP-6	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included **Note:** the color of the case is orange	68.50
KSC-32	Rapid rate single unit charger for KNB-31A/32N/33L/41NC/43L/47L/48L/50NC **Note:** Includes 110/220V auto-switching AC adapter with U.S.-style line cord plug; requires plug adapter for 220V Euro-style outlets (not supplied).	70.00
KSC-326K	Rapid rate 6-unit charger for KNB-31A/32N/33L/41NC/43L/47L/48L/50NC	630.00
KMB-30M	Wall Mount Bracket for KSC-326K/256K	33.75
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	191.00
KVC-15	Rapid rate DC vehicular charger adapter for the KSC-32 (chargers not included; includes KSC-mobile bracket & cigarette lighter cable DC adapter)	119.00
KVC-18	Vehicular D.C. Charger for 180/5*10 Portables with NiCd or NiMH Battery	446.50
KVC-20L	Vehicular D.C. Charger for 180/5**0/, NX Portables with Li-ion or Li Polymer Battery	497.00

CARRYING ACCESSORIES		***LIST***
KBH-10	Low profile spring action belt clip (for use with KNB-33L Only)	8.35
KBH-11	Spring action belt clip (2.5")	14.70
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	26.30
KLH-6SW	Leather swivel belt loop / detachable swivel D-Ring back	22.00
KLH-137ST	Firemen's Heavy-Duty Leather Shoulder Strap for a Heavy-Duty Leather Case (KLH-75B/76B/78B/79B//92/122/123/133/148/154)	36.75
KLH-154K2	Heavy duty leather carrying case for NX-210K2/410K2/411K2 **Note:** No belt loop flap is included. Must order KLH-6SW for belt loop.	44.25
KWR-1	Water resistant bag	29.85

MICROPHONES & AUDIO ACCESSORIES		***LIST***
KMC-51M	MIL-SPEC, IP54/55 DSP Digital Noise-canceling Speaker Mic **[see note 1]**	250.00
KMC-52W	MIL-SPEC, IP67 (Immersion) DSP Digital Noise-canceling Speaker Mic **[see note 1]** **Note**: Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards	300.00
	[note 1]: To adjust microphone settings different from factory default, download KPG-147NC configuration software and special configuration firmware from Kenwood Tools (no charge).	
KMC-41M	MIL-SPEC, IP54/55 Noise-canceling Speaker Mic	96.50
KMC-42WM	MIL-SPEC, IP67 (Immersion) Noise-canceling Speaker Mic **Note:** Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards	114.00
KEP-1	3.5mm earphone kit for KMC-25/26/41M/42WM Speaker Mics	52.50
KCT-30	2.5mm Audio Accessory Adapter for KEP-3/4	64.00
KCT-51	Hirose 6-pin Adapter (adapts KVL/aftermarket audio acc. to portable connector)	215.00
KEP-3	30" Earphone kit w/ 2.5mm plug for KCT-30	51.50
KEP-4	48" Earphone kit w/ 2.5mm plug for KCT-30	54.75
KHS-11BE	2-wire palm mic w/earphone, universal connector (Beige)	156.50
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black)	156.50
KHS-12BE	3-wire mini lapel mic w/earphone, universal connector (Beige)	184.00
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black)	184.00
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT	126.00
KHS-15-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT	420.00
KHS-15-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT	368.00

SOFTWARE OPTIONS		***LIST***
KPG-150AP	NEXEDGE OTAP Manager Windows Software. • License Includes 10 radios / 1 Serial Port* • To add more radios/serial ports, you must contact Kenwood Systems Division [1-800-TRUNKING]	550.00
KPG-151AE	AES/DES Encryption Software Key Loader for KWD-DE21K/KWD-AE21K **Note**: KPG-151AE is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A) **- See IMPORTANT NOTES -**	525.00

OPTION MODULES		***LIST***
KCT-48VU	External Vibration Unit **Note:** Audio accessories cannot be used when this option installed.	49.00
KCT-57MS	Man-Down Internal Tilt Switch (Non-Mercury)	22.00
KWD-AE20K	AES FIPS140-2 & DES Encryption Module for TK-5*10/5*20 & NX-*00/*10 Portables & Mobiles (except K7 Portable) KWD-AE20K requires: a Motorola KVL3000 Plus key loader device. KWD-AE20K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) **- See IMPORTANT NOTES -**	998.00
KWD-AE21K	AES & DES Encryption Module for TK-5*10/5*20 & NX-*00/*10 Portables & Mobiles (except K7 Portable) **Note**: Requires KPG-151AE software key loader or Motorola KVL3000 Plus key loader device. KWD-AE21K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) **- See IMPORTANT NOTES -**	998.00
KWD-DE21K	DES Encryption Module for TK-5*10/5*20 & NX-*00/*10 Portables & Mobiles **Note**: Requires KPG-151AE software key loader or Motorola KVL3000 Plus key loader device. KWD-DE21K is a U.S. DOC/BIS Export Controlled Item (ECCN 5A992A) **- See IMPORTANT NOTES -**	578.00
VGS-1	Voice Guide and Storage Unit	87.50

SERVICE RELATED ACCESSORIES		***LIST***
KPG-111DNK	Windows® Programming Software for NX-200/210/300/410/411/700/800/900/901 **Note:** Version 4.40 is required to program "G" models	103.25
KPG-36UM	USB Programming interface cable	158.50

INSTALLATION / TUNING CHARGES		***LIST***
L-961	Assemble KMB-23 with six KSC-32K's (Rapid Rate, 120 Volt version only)	17.00
L-1633	NX-210 Programming (with basic TX/RX check)	37.50
L-1667	Install VGS-1 Voice Guide & Storage Unit in NX-210	25.00
L-1671	NX-210/410/411 Portable KCT-57MS Installation (for NXDN® / FleetSync®)	20.00
L-1723	Install KWD-AE20K in NX-210/410/411 Portables (Must purchase module separately)	75.00
L-1724	Install KWD-AE21K in NX-210/410/411 Portables (Must purchase module separately)	75.00
L-1725	Install KWD-DE21K in NX-210/410/411 Portables (Must purchase module separately)	75.00

-- IMPORTANT NOTES --

Encryption modules, key loaders and radios containing encryption are export controlled by the U.S. Department of Commerce Bureau of Industry & Security EAR regulations and may either require an Export License, are eligible for a License Exception (ENC) or are exportable with No License Required (NLR) depending on the country, the consignee and the intended use. High level encryption is a special commodity that may require an export license to most countries. See www.bis.gov for more information regarding export regulations. DO NOT SHIP encryption items outside the U.S. without proper DOC/BIS Export Licenses and/or compliances.

Kenwood may request the following information to be submitted at time of order (this information must meet Kenwood internal approvals prior to shipment even if being returned to Kenwood later:

a) Initial Destination: Initial delivery point if different from Ultimate Destination
(customer distribution center, headquarters, dealership, manufacturer's representative)
* Business/Agency Name:
* Address:
* Contact Person Name:
* Contact Phone:
b) Ultimate Destination: Final delivery point(s); deployment/distribution
* Business/Agency Name:
* Address:
* Contact Person Name:
* Contact Phone:
c) Intended Use of Radios: Law enforcement, security, operations, etc.

KWD-AE20 AES FIPS140-2 SCM , NIST Validation & Customer Shipping
A secure delivery method direct to the end user customer is required by the NIST AES FIPS 140-2 validation rules. For U.S. Federal Government entities the SCM must ship from Kenwood USA Corporation directly to the end user customer by a trusted carrier (FEDEX, UPS or a designated Kenwood USA Corporation employee); shipping/handling by a dealer or other entity is not acceptable. This may or may not be required by local/state government agencies or business/industrial users. Please check with the end use customer about their AES encryption handling requirements before ordering. Kenwood will not be responsible for shipments of KWD-AE20K modules to erroneous destinations specified on an order.

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NX-220 / 320

NEXEDGE® VHF/UHF Digital & FM Analog Portable Radios Radios

All 20 series NX portables include:
- Belt Clip (KBH-12)
- 2-PIN Connector Cap
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

Order packages to include Battery, Charger & Antenna, or purchase Battery, Charger, and Antenna separately.

--- Must Order **L-1732**
for Intrinsically Safe Option ---
* Approved for Classes I, II & III, Div. 1, Groups C, D, E, F, G and are also approved for non-Incendive use in Classes I, II & III Div. 2, Groups A, B, C, D, F, G hazardous locations.

GENERAL FEATURES
- 5 W (136-174 MHz) Models
- 5 W (400-470, 450-520 MHz) Models
- 260 CH-GID / 128 Zones
- 64 CH-GID / 4 Zones (Non Display Version)
- 12-Key Keypad Models
- 8 Character Alphanumeric Aliases
- Backlit LCD & Keys
- Function/Status LCD Icons
- Transmit/Busy/Call Alert/Warn LED
- On/Off Volume Knob
- 16-Position Mechanical Selector
- 4 Front PF Keys
- 3 Side PF Keys
- Emergency/AUX Key
- Built-in Motion Sensor
- 500 mW Speaker Audio
- Zone/CH# Voice Announcement
- KMC-48GPS Speaker Mic Option
- KPG-141D Windows® FPU
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- IP54/55 Water & Dust Intrusion
- PC Serial Interface
- SDM Manual Input
- Transparent Data Mode

DIGITAL – GENERAL
- NXDN® Digital Air Interface
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming
- Paging Call
- Emergency Call
- All Group Call
- Status Messaging
- Remote Stun/Kill/Check
- Short & Long Data Messages
- GPS Location with Voice
- NXDN® Scrambler Included

DIGITAL – CONVENTIONAL MODE
- 64 Radio Access Numbers (RAN)
- Individual & Group Selective Call
- Mixed FM/Digital Operation
- Conventional IP Networks
- Site Roaming

DIGITAL – TRUNKING MODE
- Individual Private Call
- Group Call & Broadcast Call
- Telephone Interconnect
- Transmission Trunked Mode
- Message Trunked Mode
- Call Queuing with Priority
- Late Entry (UID & GID)
- 4 Priority Monitor ID's
- Remote Group Add
- Failsoft Mode

MULTI-SITE IP NETWORKS COMPATIBLE
- 60,000 GIDs / UIDs
- Wide Area Group Call
- Auto Roaming Registration
- Group Registration

MULTI-SYSTEM COMPATIBLE
- 8 Trunked Networks per radio (each in a zone)
- UID Lists for each network

SCAN
- Single Zone / Multi-Zone / List Scan
- Single Priority Scan (Conventional)

ANALOG MODES – GENERAL
- 12.5 kHz Channels
- Conventional & LTR® Zones
- FleetSync®/II, MDC-1200, DTMF
- QT/DQT/Two-Tone (Conventional Zones Only)
- Voice Inversion Scrambler (16 Codes)

MPT ZONES (option)
- Single-Site Trunking
- Multi-Site Network Trunking
- 8 Network Capacity
- Network Roaming / Registration

FleetSync®/II
- PTT ID ANI / Caller ID
- Selective / Group Call
- Emergency, Status & Text Messages

MDC-1200
- PTT ID ANI / Caller ID
- Emergency, Radio Check & Inhibit

Li-ion VALUE PACKAGES			*LIST*
NX-220K2-SLKVP	VHF Li-ion Value Pack	(NX-220K2 + KNB-55L + KSC-25L + KRA-26M)	675.80
NX-220K2-LKVP	VHF Hi-Cap Li-ion Value Pack	(NX-220K2 + KNB-57L + KSC-25L + KRA-26M)	713.80
NX-320K2-SLKVP	UHF Li-ion Value Pack	(NX-320K2 + KNB-55L + KSC-25L + KRA-27M)	675.80
NX-320K2-LKVP	UHF Hi-Cap Li-ion Value Pack	(NX-320K2 + KNB-57L + KSC-25L + KRA-27M)	713.80

PACKAGES			*LIST*
NX-220K2-NKP	VHF Basic Package	(NX-220K2 + KNB-56N + KSC-30 + KRA-26M)	664.00
NX-220K2-SLKP	VHF Standard Slim Package	(NX-220K2 + KNB-55L + KSC-25 + KRA-26M)	689.50
NX-220K2-LKP	VHF Premium Package	(NX-220K2 + KNB-57L + KSC-25 + KRA-26M)	727.50
NX-320K2-NKP	UHF Basic Package	(NX-320K2 + KNB-56N + KSC-30 + KRA-27M)	664.00
NX-320K2-SLKP	UHF Standard Slim Package	(NX-320K2 + KNB-55L + KSC-25 + KRA-27M)	689.50
NX-320K2-LKP	UHF Premium Package	(NX-320K2 + KNB-57L + KSC-25 + KRA-27M)	727.50

RADIO		***LIST***
NX-220K	136-174 MHz 5W, 64 CH	470.00
NX-220K2	136-174 MHz 5W, 260 CH, 8 characters Alphanumeric LCD, 4 PF Keys	553.50
NX-220K3	136-174 MHz 5W, 260 CH, 8 characters Alphanumeric LCD, 4 PF Keys, Full Keypad	603.50
NX-320K	450-520 MHz 5W, 64 CH	470.00
NX-320K2	450-520 MHz 5W, 260 CH, 8 characters Alphanumeric LCD, 4 PF Keys	553.50
NX-320K3	450-520 MHz 5W, 260 CH, 8 characters Alphanumeric LCD, 4 PF Keys, Full Keypad	603.50
NX-320K4	400-470 MHz 5W, 64 CH	470.00
NX-320K5	400-470 MHz 5W, 260 CH, 8 characters Alphanumeric LCD, 4 PF Keys	553.50
NX-320K6	400-470 MHz 5W, 260 CH, 8 characters Alphanumeric LCD, 4 PF Keys, Full Keypad	603.50

SGS US I.S. APPROVED MODELS		***LIST***
	Must Order L-1732 & an Intrinsically Safe Battery per radio	
NX-220-ISK	136-174 MHz 5W, 64 CH	470.00
NX-220-ISK2	136-174 MHz 5W, 260 CH, 8 characters Alphanumeric LCD, 4 PF Keys	553.50
NX-220-ISK3	136-174 MHz 5W, 260 CH, 8 characters Alphanumeric LCD, 4 PF Keys, Full Keypad	603.50
NX-320-ISK	450-520 MHz 5W, 64 CH	470.00
NX-320-ISK2	450-520 MHz 5W, 260 CH, 8 characters Alphanumeric LCD, 4 PF Keys	553.50
NX-320-ISK3	450-520 MHz 5W, 260 CH, 8 characters Alphanumeric LCD, 4 PF Keys, Full Keypad	603.50
NX-320-ISK4	400-470 MHz 5W, 64 CH	470.00
NX-320-ISK5	400-470 MHz 5W, 260 CH, 8 characters Alphanumeric LCD, 4 PF Keys	553.50
NX-320-ISK6	400-470 MHz 5W, 260 CH, 8 characters Alphanumeric LCD, 4 PF Keys, Full Keypad	603.50

ANTENNAS		***LIST***
KRA-22M	VHF Low-profile helical antenna 148-162 MHz	13.70
KRA-22M2	VHF Low -profile helical antenna 162-174 MHz	13.70
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	13.70
KRA-23M	UHF Low-profile helical antenna 450-490 MHz	13.70
KRA-23M2	UHF Low-profile helical antenna 470-512 MHz	13.70
KRA-23M3	UHF Low-profile helical antenna 403-430 MHz	13.70
KRA-26M	VHF helical antenna 146-162 MHz	14.00
KRA-26M2	VHF helical antenna 162-174 MHz	14.00
KRA-26M3	VHF helical antenna 136-150 MHz	14.00
KRA-27M	UHF whip antenna 440-490 MHz	14.00
KRA-27M2	UHF whip antenna 470-520 MHz	14.00
KRA-27M3	UHF whip antenna 400-450 MHz	14.00

BATTERIES AND CHARGERS		***LIST***
KBP-5	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included	49.00
KNB-40LCV	1950 mAh, Li-ion battery - requires KSC-25/25L/256K charger **[Intrinsically Safe Option]**	112.00
KNB-55L	1480 mAh, Li-ion battery - requires KSC-25/25L/256K charger	60.00
KNB-56N	1400 mAh, Ni-MH battery	65.00
KNB-57L	2000 mAh, Li-ion battery - requires KSC-25/25L/256K charger	98.00
KSC-25L	100~240 volt rapid rate single unit charger for KNB-35L/40LC(V)/55L/57L Li-ion Battery	48.30
KSC-25	110 volt Rapid rate single unit charger for KNB-25A/26N/35L/40LC(V)/55L/56N/57L	62.00
KSC-30	110 volt Regular rate single unit charger for KNB-25A/26N/56N	31.50

BATTERIES AND CHARGERS - CONT'D		***LIST***
KSC-256K	Rapid rate 6-Unit charger for KNB-25A/26N/35L/40LC(V)/55L/56N/57L	630.00
KMB-30M	Wall Mount Bracket for KSC-326K/256K	33.75
KMB-16	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/30 chargers (chargers not included)	173.00
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	191.00
KVC-3	Vehicular charger adapter for the KSC-15/17/19/25L/30 chargers (chargers not included)	63.00
KVC-4	Vehicular charger adapter for the KSC-16/18/20/24/25 chargers (chargers not included)	84.00

CARRYING ACCESSORIES		***LIST***
KBH-12	Spring action belt clip	8.35
KBH-13DS	Leather swivel belt loop with portable D-Ring attachment	28.85
KLH-179K	Heavy-Duty Leather Case w/Swivel Belt Loop for NX-220K/320K/K4 (Non Display)	49.00
KLH-179K2	Heavy-Duty Leather Case w/Swivel Belt Loop for NX-220K2/320K2/K5 (Display)	49.00
KLH-179K3	Heavy-Duty Leather Case w/Swivel Belt Loop for NX-220K3/320K3/K6 (Full Keypad)	49.00
KLH-180K	Nylon carrying case for NX-220K/320K/K4 (Non Display)	26.30
KLH-180K2	Nylon carrying case for NX-220K2/320K2/K5 (Display)	26.30
KLH-180K3	Nylon carrying case for NX-220K3/320K3/K6 (Full Keypad)	26.30
KWR-1	Water resistant bag	29.85

MICROPHONES & AUDIO ACCESSORIES		***LIST***
KMC-48GPS	GPS Speaker Microphone **[Intrinsically Safe Approval Accessory]**	265.00
KMC-45	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack) **[Intrinsically Safe Approval Accessory]**	86.00
KMC-21	Compact speaker microphone **[Intrinsically Safe Approval Accessory]**	51.50
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic **[Intrinsically Safe Approval Accessory]**	52.50
KHS-7	Single muff headset w/boom mic **[Intrinsically Safe Approval Accessory]**	70.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT **[Intrinsically Safe Approval Accessory]**	105.00
KHS-8BL	Two-Wire palm mic w/earphone (black)	103.25
KHS-9BL	Three-Wire lapel mic w/earphone (black)	166.00
KHS-10-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Approval Accessory]**	368.00
KHS-10-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Approval Accessory]**	336.00
KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band)	41.00
KHS-23	2-Wire Cell-style Earbud Clip/PTT Palm Mic (medium duty)	55.50
KHS-25	Headset w/ D-Ring Ear Hanger w/ PTT & Boom Mic	24.50
KHS-26	Clip Mic w/earphone	28.00
KHS-27	D-Ring Ear Hanger w/PTT & Mic	24.50
KHS-31	C-Ring Ear Hanger w/PTT & Mic	30.00

SOFTWARE OPTIONS		***LIST***
KPG-150AP	NEXEDGE OTAP Manager Windows Software. • License Includes 10 radios / 1 Serial Port* • To add more radios/serial ports, you must contact Kenwood Systems Division [1-800-TRUNKING]	550.00
KWD-MS10	Stationary & Motion Detection Must Order **L-1700** to activate this feature.	60.00

SERVICE RELATED ACCESSORIES		***LIST***
KPG-141DNK	Windows® Programming Software for NX-220/320 (Compliant with FCC Part 90 Narrowbanding)	103.25
KPG-22UM	USB Programming interface cable	158.50

INSTALLATION / TUNING CHARGES		***LIST***
L-836	Assemble KMB-16 with six KSC-25/25L	15.00
L-961	Assemble KMB-23 with six KSC-24/25/25L/32 (Rapid Rate, 120 Volt versions only)	17.00
L-1699	NX-220/320 Programming (with basic TX/RX check)	37.50
L-1700	NX-220/320 KWD-MS10 Activation	N/C
L-1732	Configure NX-220/320 for Intrinsically Safe **Must Order an I.S. Battery**	70.00

MPT FIRMWARE/ACCESSORIES/TUNING		***LIST***
KPG-143DNK	Windows® Programming Software for NX series MPT (Compliant with FCC Part 90 Narrowbanding) (Dealer Level License ID included) **Note**: Must order **L-1727** for Network Level License ID & programming privileges	103.25
KWD-NX10MPT	MPT Trunking Field Upgrade Kit for NX series radio Must order **L-1729** **Note:** Not compatible with any other firmware options. Radio does not retain LTR trunking features once the MPT option is installed.	66.70
L-1726	Install MPT option in NX series radio	25.00
L-1727	Network Level License ID for KPG-143D(N) NX series Programmer	158.33
L-1728	Retrofit Install of MPT option in NX seires radio For previously purchased NX series radios. Order L-1728 through LMR order desk/rep. Ship radios to attn: Kenwood LMR Tuning, Long Beach for installation. Include Kenwood order number for L-1728 provided by order desk & copy of company P.O. or P.O. number. **Note:** see NX series MPT Introduction Sales Bulletin for details	85.00
L-1729	NX Series Radio MPT Firmware FIELD-UPGRADE (Must purchase KWD-NX10MPT separately)	NC
L-1730	Install KCT-57MS (for MPT Emergency Call)	20.00

-- IMPORTANT NOTES --

Encryption modules, key loaders and radios containing encryption are export controlled by the U.S. Department of Commerce Bureau of Industry & Security EAR regulations and may either require an Export License, are eligible for a License Exception (ENC) or are exportable with No License Required (NLR) depending on the country, the consignee and the intended use. High level encryption is a special commodity that may require an export license to most countries. See www.bis.gov for more information regarding export regulations. DO NOT SHIP encryption items outside the U.S. without proper DOC/BIS Export Licenses and/or compliances.

Kenwood may request the following information to be submitted at time of order (this information must meet Kenwood internal approvals prior to shipment even if being returned to Kenwood later:

a) Initial Destination: Initial delivery point if different from Ultimate Destination
(customer distribution center, headquarters, dealership, manufacturer's representative)
* Business/Agency Name:
* Address:
* Contact Person Name:
* Contact Phone:

b) Ultimate Destination: Final delivery point(s); deployment/distribution
* Business/Agency Name:
* Address:
* Contact Person Name:
* Contact Phone:

c) Intended Use of Radios: Law enforcement, security, operations, etc.

KWD-AE20 AES FIPS140-2 SCM , NIST Validation & Customer Shipping

A secure delivery method direct to the end user customer is required by the NIST AES FIPS 140-2 validation rules. For U.S. Federal Government entities the SCM must ship from Kenwood USA Corporation directly to the end user customer by a trusted carrier (FEDEX, UPS or a designated Kenwood USA Corporation employee); shipping/handling by a dealer or other entity is not acceptable. This may or may not be required by local/state government agencies or business/industrial users. Please check with the end use customer about their AES encryption handling requirements before ordering. Kenwood will not be responsible for shipments of KWD-AE20K modules to erroneous destinations specified on an order.

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NX-240VK / 340UK

NEXEDGE® VHF/UHF Digital & FM Analog Portable Radios

All 40 series NX portables include:
- Li-ion Battery (KNB-45L)
- Fast Charger (KSC-35SK)
- Antenna [KRA-26M(VHF)/27M(UHF)]
- Belt Clip (KBH-10)
- 2-PIN Connector Cap
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

GENERAL FEATURES
- 5 W (136-174 MHz) VHF
- 5 W (450-520, 400-470 MHz) UHF
- Max. 16 CH per Zone
- 2 Conventional Zones
- Transmit / Busy / Call Alert / Scan / Warn LED
- 4-Color LED (Blue/Red/Green/Orange)
- On/Off Volume Knob
- 2 PF Keys
- 1.0 W Speaker Audio
- 16-Position Mechanical Selector
- Zone / CH# Voice Announcement
- KMC-48GPS Speaker Mic Option
- VOX Ready
- Emergency Call Features
- Lone Worker Alert (per CH)
- Time Out Timer
- Busy Channel Lockout
- Low Battery Warning
- Battery Saver
- KPG-170DB Windows FPU
- Wireless Cloning
- Password Protected
- MIL-STD-810 C/D/E/F/G
- IP-54/55 Water & Dust Intrusion

GENERAL FEATURES
- NXDN® Digital Air Interface
- AMBE+2™VOCODER
- 6.25 kHz Channels
- Over-the-Air Alias (TX Only)
- Paging Call
- Emergency Call
- All Group Call
- Status Messaging
- Remote Stun/Kill
- Remote Check
- GPS Location with Voice

DIGITAL – CONVENTIONAL MODE
- 64 Radio Access Numbers (RAN)
- Individual & Group Selective Call
- Site Roaming

SCAN
- Single Zone Scan
- Single Priority Scan (Conventional)

ANALOG MODES – GENERAL
- 12.5 kHz Channels
- Conventional Zones
- FleetSync®/II, MDC-1200, DTMF
- QT/DQT/Two-Tone (Conv. Zones Only)
- Voice Inversion Scrambler (16 Codes)

FleetSync®/II
- PTT ID ANI
- Selective / Group Call
- Paging Call
- Emergency Status
- Send GPS Data

MDC-1200
- PTT ID ANI / Caller ID
- Emergency, Radio Check & Inhibit

RADIO		***LIST***
NX-240VK	136-174 MHz VHF 5W, 16 Ch / 2 Zones	431.00
NX-340UK	450-520 MHz UHF 5W, 16 Ch / 2 Zones	431.00
NX-340UK2	400-470 MHz UHF 5W, 16 Ch / 2 Zones	431.00

ANTENNAS		***LIST***
KRA-26M	VHF helical antenna 146-162 MHz	14.00
KRA-26M2	VHF helical antenna 162-174 MHz	14.00
KRA-26M3	VHF helical antenna 136-150 MHz	14.00
KRA-27M	UHF whip antenna 440-490 MHz	14.00
KRA-27M2	UHF whip antenna 470-520 MHz	14.00
KRA-27M3	UHF whip antenna 403-430 MHz	14.00
KRA-41M	VHF stubby antenna 148-162 MHz	13.70
KRA-41M2	VHF stubby antenna 162-174 MHz	13.70
KRA-41M3	VHF stubby antenna 136-150 MHz	13.70
KRA-42M	UHF stubby antenna 440-490 MHz	13.70
KRA-42M2	UHF stubby antenna 470-520 MHz	13.70
KRA-42M3	UHF stubby antenna 403-430 MHz	13.70
KRA-22M	VHF low profile antenna 148-162 MHz	13.70
KRA-22M2	VHF low profile antenna 162-174 MHz	13.70

ANTENNAS - CONT'D		***LIST***
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	13.70
KRA-23M	UHF low profile antenna 450-490 MHz	13.70
KRA-23M2	UHF low profile antenna 470-520 MHz	13.70
KRA-23M3	UHF low profile antenna 403-430 MHz	13.70

BATTERIES AND CHARGERS		***LIST***
KMB-28	Six Unit Charger Adapter for the KSC-23BK/28/35SK chargers (chargers not included) **Note:** The six KSC-xx AC wall Adapters are NOT used in the KMB-28 installation A supplied in-line AC-DC switching power supply with six DC plugs supply the six installed KSC-xx charger bases. This unit is lower profile and less weight than similar Kenwood six unit charger adapters. Dimensions: 10.6(W) x 2.4(H) x 9.5(D) inches, Weight: approx. 10 lbs. (loaded with chargers/radios)	208.50
KNB-45L	2000 mAh, Li-ion battery - requires KSC-35K/SK charger	63.00
KNB-69L	2550 mAh, Li-ion battery - requires KSC-35K/SK charger	75.00
KNB-29N	1500 mAh, NiMH battery - requires KSC-43K charger	36.75
KSC-35SK	110~220 volt Fast rate single unit charger for KNB-45L/69L	31.50
KSC-43K	110~220 volt Fast rate single unit charger for KNB-29N/45L/69L	36.70
KVC-22	110~220 volt Fast rate DC vehicular charger adapter for KSC-35SK charger & KNB-45L Li-ion battery (charger not included)	36.70

CARRYING ACCESSORIES		***LIST***
KBH-10	Spring action belt clip	8.35
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	26.30
KLH-6SW	Leather swivel belt loop / detachable swivel D-Ring back	22.00
KLH-187	Nylon case for TK-*200/*202/*300/*302/*400/*402 Series	14.70

MICROPHONES & AUDIO ACCESSORIES		***LIST***
KMC-45	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack)	86.00
KMC-48GPS	GPS Speaker Microphone	265.00
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	52.50
KMC-21	Compact speaker microphone	51.50
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	52.50
KHS-10-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT	368.00
KHS-10-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT	336.00
KHS-7	Single muff headset w/boom mic	70.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT	105.00
KHS-8BL	Two-Wire palm mic w/earphone (black)	103.25
KHS-9BL	Three-Wire lapel mic w/earphone (black)	166.00
KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band)	41.00
KHS-23	2-Wire Cell-style Earbud Clip/PTT Palm Mic (medium duty)	55.50
KHS-25	Headset w/ D-Ring Ear Hanger w/ PTT & Boom Mic	24.50
KHS-26	Clip Mic w/earphone	28.00
KHS-27	D-Ring Ear Hanger w/PTT & Mic	24.50
KHS-31	C-Ring Ear Hanger w/PTT & Mic	30.00

SERVICE RELATED ACCESSORIES		***LIST***
KPG-170DK	Windows® Programming Software for NX-240V/340U (Compliant with FCC Part 90 Narrowbanding)	103.25
KPG-22UM	USB Programming interface cable	158.50

INSTALLATION / TUNING CHARGES		***LIST***
L-1767	NX-240V/340U Programming (with basic TX/RX check)	37.50

Table of Contents

NX-410/411

NEXEDGE® 800/900 MHz Digital & FM Analog Portable Radio

410 portable includes:
- Belt Clip (KBH-11)
- Universal Connector Cap
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

Order packages to include Battery, Charger & Antenna, or purchase Battery, Charger, and Antenna separately.

* Approved by CSA International Inc. for Classes I, II & III, Div. 1, Groups C, D, E, F, G and are also approved for non-Incendive use in Class I, Div. 2, Groups A, B, C, D hazardous locations.
Note: Class I, Div 2 Group A & B Gases require use of a portable carrying case.

GENERAL FEATURES
- 3.0 W (806-870 MHz) Model
- 2.5 W (896-941 MHz) Model
- 512 CH-GID / 128 Zones
- 12-Key Keypad
- 14 Character Alphanumeric Aliases
- Backlit Dot Matrix LCD
- Function/Status LCD Icons
- Multi-Language Display
- Date & 12/24 Hour Time Clock
- Transmit/Busy/Call Alert/Warn LED
- On/Off Volume Knob
- 6 Front PF & Menu Keys
- 2 Side PF Keys
- Emergency/AUX Key
- 500 mW Speaker Audio
- KMC-47GPS Speaker Mic Option
- KPG-111D Windows® FPU
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- IP54/55 Water & Dust Intrusion
- PC Serial Interface
- SDM Manual Input
- Transparent Data Mode
- VGS-1 Voice Guide/Voice & GPS Data Storage Option

DIGITAL – GENERAL
- NXDN® Digital Air Interface
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming
- Paging Call
- Emergency Call
- All Group Call
- Status Messaging
- Remote Stun/Kill/Check
- Short & Long Data Messages
- GPS Location with Voice
- NXDN® Scrambler Included
- DES Encryption Module Option
- AES & DES Encryption Module Option
- AES/DES Software Key Loader Option

DIGITAL – CONVENTIONAL MODE
- 64 Radio Access Numbers (RAN)
- Individual & Group Selective Call
- Mixed FM/Digital Operation
- Conventional IP Networks
- Site Roaming

DIGITAL – TRUNKING MODE
- Individual Private Call
- Group Call & Broadcast Call
- Transmission Trunked Mode
- Message Trunked Mode
- Call Queuing with Priority
- Late Entry (UID & GID)
- 4 Priority Monitor ID's
- Remote Group Add
- Failsoft Mode

MULTI-SITE IP NETWORKS COMPATIBLE
- 60,000 GIDs / UIDs
- Wide Area Group Call
- Auto Roaming Registration
- Group Registration

MULTI-SYSTEM COMPATIBLE
- 8 Trunked Networks per radio (each in a zone)
- UID Lists for each network

SCAN
- Single Zone / Multi-Zone / List Scan
- Dual Priority Scan (Conventional)

ANALOG MODES – GENERAL
- 25** & 12.5 kHz Channels
- NPSPAC Channels**
- Conventional & LTR® Zones
- FleetSync®/II, MDC-1200, DTMF
- QT / DQT (Conventional Zones Only)
- Voice Inversion Scrambler
- Analog Scrambler Board Capability

MPT ZONES (option)
- Single-Site Trunking
- Multi-Site Network Trunking
- 8 Network Capacity
- Network Roaming / Registration

FleetSync®/II
- PTT ID ANI / Caller ID
- Selective / Group Call
- Emergency, Status & Text Messages

MDC-1200
- PTT ID ANI / Caller ID
- Emergency, Radio Check & Inhibit

*** 800 MHz model only.*

PACKAGE		*LIST*
NX-410K2-LKP	806-870MHz 3W, 14 characters Alphanumeric LCD, 6 Control Keys, Full Keypad Li-Ion Battery Package (NX-410K2 + KNB-33L + KSC-32 + KBH-11 + KRA-24M)	1,061.75
NX-411K2-LKP	896-941MHz 2.5W, 14 characters Alphanumeric LCD, 6 Control Keys, Full Keypad Li-Ion Battery Package (NX-411K2 + KNB-33L + KSC-32 + KBH-11 + KRA-38K)	1,060.00

RADIO		*LIST*
NX-410K2	806-870MHz 3W, 14 characters Alphanumeric LCD, 6 Control Keys, Full Keypad	850.00
NX-411K2	896-941MHz 2.5W, 14 characters Alphanumeric LCD, 6 Control Keys, Full Keypad	850.00

CSA APPROVED I.S. MODEL		LIST
	Must Order L-1750 & an Intrinsically Safe Battery per radio	
NX-410-ISK2	806-870MHz 3W, 14 characters Alphanumeric LCD, 6 Control Keys, Full Key (I.S.)	850.00
NX-411-ISK2	896-941MHz 2.5W, 14 characters Alphanumeric LCD, 6 Control Keys, Full Key (I.S)	850.00

ANTENNAS		LIST
KRA-24M	800 MHz Whip Antenna 1/4 wave end feed	36.75
KRA-32K	700/800 MHz Whip Antenna	35.00
KRA-36	700/800 MHz Stubby Antenna	25.00
KRA-38K	800/900 MHz Whip Antenna	35.00
KRA-39	900 MHz Stubby Antenna	25.00

BATTERIES AND CHARGERS		LIST
KNB-54N	2500 mAh, Ni-MH battery - requires KSC-32/326K charger	87.50
KNB-33L	2000 mAh, Li-ion battery - requires KSC-32/326K charger	105.00
KNB-41NC-CSA-US	2500 mAh, Ni-MH battery - requires KSC-32/326K charger **[CSA Intrinsically Safe Option]**	136.50
KNB-43L	3300 mAh, Li-Polymer battery - requires KSC-32/326K charger	163.00
KNB-49PL	4500 mAh, Primary Lithium battery **Note**: **Non-Rechargeable** (please recycle all batteries properly) 10 year Shelf Life (approx. 1% charge degradation per year when properly stored: +50 ºF to +86 ºF @ less than 70% humidity	84.00
KBP-6	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included **Note:** the color of the case is orange	68.50
KSC-32	Rapid rate single unit charger for KNB-31A/32N/33L/41NC/43L/47L/48L/50NC **Note:** Includes 110/220V auto-switching AC adapter with U.S.-style line cord plug; requires plug adapter for 220V Euro-style outlets (not supplied).	70.00
KSC-326K	Rapid rate 6-unit charger for KNB-31A/32N/33L/41NC/43L/47L/48L/50NC	630.00
KMB-30M	Wall Mount Bracket for KSC-326K/256K	33.75
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	191.00
KVC-15	Rapid rate DC vehicular charger adapter for the KSC-32 (chargers not included; includes KSC-mobile bracket & cigarette lighter cable DC adapter)	119.00
KVC-18	Vehicular D.C. Charger for 180/5*10/ NX-*10 Portables with NiCd or NiMH Battery	446.50
KVC-20L	Vehicular D.C. Charger for 180/5**0/ NX Portables with Li-ion or Li Polymer Battery	497.00

CARRYING ACCESSORIES		LIST
KBH-10	Low profile spring action belt clip (for use with KNB-33L Only)	8.35
KBH-11	Spring action belt clip (2.5")	14.70
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	26.30
KLH-6SW	Leather swivel belt loop / detachable swivel D-Ring back	22.00
KLH-137ST	Firemen's Heavy-Duty Leather Shoulder Strap for a Heavy-Duty Leather Case (KLH-75B/76B/78B/79B//92/122/123/133/148/154)	36.75
KLH-154K2	Heavy duty leather carrying case for NX-210K2/410K2/411K2 **Note:** No belt loop flap is included. Must order KLH-6SW for belt loop.	44.25
KWR-1	Water resistant bag	29.85

MICROPHONES & AUDIO ACCESSORIES		LIST
KMC-51M	MIL-SPEC, IP54/55 DSP Digital Noise-canceling Speaker Mic **[see note 1]** **[Intrinsically Safe Approved Accessory]** * CSA Intrinsically Safe Approved except for Group C gases	250.00
KMC-52W	MIL-SPEC, IP67 (Immersion) DSP Digital Noise-canceling Speaker Mic **[see note 1]** **Note**: Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards **[Intrinsically Safe Approved Accessory]** * CSA Intrinsically Safe Approved except for Group C gases	300.00
	[note 1]: To adjust microphone settings different from factory default, download KPG-147NC configuration software and special configuration firmware from Kenwood Tools (no charge).	

MICROPHONES & AUDIO ACCESSORIES - CONT'D		***LIST***
KMC-47GPS	GPS Speaker Microphone **[Intrinsically Safe Approved Accessory]** * CSA Intrinsically Safe Approved except for Group C gases	290.00
KMC-40	MIL-SPEC, Speaker Mic. with Antenna Connector **[Intrinsically Safe Approved Accessory]** **Note**: 5/16" Coax cable hex wrench included (antenna is not included).	250.00
KMC-41M	MIL-SPEC, IP54/55 Noise-canceling Speaker Mic **[Intrinsically Safe Approved Accessory]**	96.50
KMC-42WM	MIL-SPEC, IP67 (Immersion) Noise-canceling Speaker Mic **[Intrinsically Safe Approved Accessory]** **Note:** Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards	114.00
KEP-1	3.5mm earphone kit for KMC-25/26/41M/42WM Speaker Mics **[Intrinsically Safe Approved Accessory]**	52.50
KCT-30	2.5mm Audio Accessory Adapter for KEP-3/4 **[Intrinsically Safe Approved Accessory]**	64.00
KCT-51	Hirose 6-pin Adapter (adapts KVL/aftermarket audio acc. to portable connector) **[Intrinsically Safe Approved Accessory]**	215.00
KEP-3	30" Earphone kit w/ 2.5mm plug for KCT-30 **[Intrinsically Safe Approved Accessory]**	51.50
KEP-4	48" Earphone kit w/ 2.5mm plug for KCT-30 **[Intrinsically Safe Approved Accessory]**	54.75
KHS-11BE	2-wire palm mic w/earphone, universal connector (Beige) **[Intrinsically Safe Approved Accessory]**	156.50
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black) **[Intrinsically Safe Approved Accessory]**	156.50
KHS-12BE	3-wire mini lapel mic w/earphone, universal connector (Beige) **[Intrinsically Safe Approved Accessory]**	184.00
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black) **[Intrinsically Safe Approved Accessory]**	184.00
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT **[Intrinsically Safe Approved Accessory]**	126.00
KHS-15-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Approved Accessory]**	420.00
KHS-15-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Approved Accessory]**	368.00

SOFTWARE OPTIONS		***LIST***
KPG-150AP	NEXEDGE OTAP Manager Windows Software. • License Includes 10 radios / 1 Serial Port* • To add more radios/serial ports, you must contact Kenwood Systems Division [1-800-TRUNKING]	550.00
KPG-151AE	AES/DES Encryption Software Key Loader for KWD-DE21K/KWD-AE21K **Note**: KPG-151AE is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A) **- See IMPORTANT NOTES -**	525.00

OPTION MODULES		***LIST***
KWD-AE20K	AES FIPS140-2 & DES Encryption Module for TK-5*10/5*20 & NX-*00/*10 Portables & Mobiles (except K7 Portable) **[Intrinsically Safe Approved]** - Order a Labor Code **L-1723** if installation is required. KWD-AE20K requires: a Motorola KVL3000 Plus key loader device. KWD-AE20K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) **- See IMPORTANT NOTES -**	998.00
KWD-AE21K	AES & DES Encryption Module for TK-5*10/5*20 & NX-*00/*10 Portables & Mobiles (except K7 Portable) **[Intrinsically Safe Approved]** - Order a Labor Code (**L-1724**) if installation is required. **Note**: Requires KPG-151AE software key loader or Motorola KVL3000 Plus key loader device. KWD-AE21K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) **- See IMPORTANT NOTES -**	998.00

OPTION MODULES - CONT'D		***LIST***
KWD-DE21K	DES Encryption Module for TK-5*10/5*20 & NX-*00/*10 Portables & Mobiles **[Intrinsically Safe Approved]** - Order a Labor Code (**L-1725)** if installation is required **Note**: Requires KPG-151AE software key loader or Motorola KVL3000 Plus key loader device. KWD-DE21K is a U.S. DOC/BIS Export Controlled Item (ECCN 5A992A) **- See IMPORTANT NOTES -**	578.00
KCT-48VU	External Vibration Unit **[Intrinsically Safe Approved Accessory]** **Note:** Audio accessories cannot be used when this option installed.	49.00
KCT-57MS	Man-Down Internal Tilt Switch (Non-Mercury) **[Intrinsically Safe Approved Accessory]**- Must be Kenwood installed for I.S.	22.00
VGS-1	Voice Guide and Storage Unit **[Intrinsically Safe Approved Accessory]**	87.50

SERVICE RELATED ACCESSORIES		***LIST***
KPG-111DNK	Windows® Programming Software for NX-200/210/300/410/411/700/800/900/901 (Compliant with FCC Part 90 Narrowbanding)	103.25
KPG-36UM	USB Programming interface cable	158.50

INSTALLATION / TUNING CHARGES		***LIST***
L-961	Assemble KMB-23 with six KSC-32K's (Rapid Rate, 120 Volt version only)	17.00
L-1667	Install VGS-1 Voice Guide & Storage Unit in NX-210/410/411	25.00
L-1671	NX-210/410/411 Portable KCT-57MS Installation (for NXDN® / FleetSync®)	20.00
L-1691	NX-410/411 Programming (with basic TX/RX check)	37.50
L-1723	Install KWD-AE20K in NX-210/410/411 Portables (Must purchase module separately)	75.00
L-1724	Install KWD-AE21K in NX-210/410/411 Portables (Must purchase module separately)	75.00
L-1725	Install KWD-DE21K in NX-210/410/411 Portables (Must purchase module separately)	75.00
L-1750	Configure NX-210/410/411 for Intrinsically Safe **Must order an I.S. battery, KNB-41NC-CSA-US**	70.00

MPT FIRMWARE/ACCESSORIES/TUNING		***LIST***
KPG-143DNK	Windows® Programming Software for NX series MPT (Compliant with FCC Part 90 Narrowbanding) (Dealer Level License ID included) **Note**: Must order **L-1727** for Network Level License ID & programming privileges	103.25
KWD-NX10MPT	MPT Trunking Field Upgrade Kit for NX series radio Must order **L-1729** **Note:** Not compatible with any other firmware options. Radio does not retain LTR trunking features once the MPT option is installed.	66.70
L-1726	Install MPT option in NX series radio	25.00
L-1727	Network Level License ID for KPG-143D(N) NX series Programmer	158.33
L-1728	Retrofit Install of MPT option in NX seires radio For previously purchased NX series radios. Order L-1728 through LMR order desk/rep. Ship radios to attn: Kenwood LMR Tuning, Long Beach for installation. Include Kenwood order number for L-1728 provided by order desk & copy of company P.O. or P.O. number. **Note:** see NX series MPT Introduction Sales Bulletin for details	85.00
L-1729	NX Series Radio MPT Firmware FIELD-UPGRADE (Must purchase KWD-NX10MPT separately)	NC
L-1730	Install KCT-57MS (for MPT Emergency Call)	20.00

-- IMPORTANT NOTES --
Encryption modules, key loaders and radios containing encryption are export controlled by the U.S. Department of Commerce Bureau of Industry & Security EAR regulations and may either require an Export License, are eligible for a License Exception (ENC) or are exportable with No License Required (NLR) depending on the country, the consignee and the intended use. High level encryption is a special commodity that may require an export license to most countries. See www.bis.gov for more information regarding export regulations. DO NOT SHIP encryption items outside the U.S. without proper DOC/BIS Export Licenses and/or compliances.

Kenwood may request the following information to be submitted at time of order (this information must meet Kenwood internal approvals prior to shipment even if being returned to Kenwood later:

a) Initial Destination: Initial delivery point if different from Ultimate Destination
(customer distribution center, headquarters, dealership, manufacturer's representative)
* Business/Agency Name:
* Address:
* Contact Person Name:
* Contact Phone:
b) Ultimate Destination: Final delivery point(s); deployment/distribution
* Business/Agency Name:
* Address:
* Contact Person Name:
* Contact Phone:
c) Intended Use of Radios: Law enforcement, security, operations, etc.

KWD-AE20 AES FIPS140-2 SCM , NIST Validation & Customer Shipping
A secure delivery method direct to the end user customer is required by the NIST AES FIPS 140-2 validation rules. For U.S. Federal Government entities the SCM must ship from Kenwood USA Corporation directly to the end user customer by a trusted carrier (FEDEX, UPS or a designated Kenwood USA Corporation employee); shipping/handling by a dealer or other entity is not acceptable. This may or may not be required by local/state government agencies or business/industrial users. Please check with the end use customer about their AES encryption handling requirements before ordering. Kenwood will not be responsible for shipments of KWD-AE20K modules to erroneous destinations specified on an order.

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NX- 420

NEXEDGE® 800MHz Digital & Analog Portable Radio

All 420 series NX portables include:
- Belt Clip (KBH-12)
- Antenna (KRA-32K)
- 2-PIN Connector Cap
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

Order packages to include Battery, & Charger, or purchase Battery, & Charger separately.

--- Must Order **L-1732**
for Intrinsically Safe Option ---

* Approved for Classes I, II & III, Div. 1, Groups C, D, E, F, G and are also approved for non-Incendive use in Classes I, II & III Div. 2, Groups A, B, C, D, F, G hazardous locations.

GENERAL FEATURES
- 3.0 W (806 - 870 MHz)
- 260 CH-GID / 128 Zones
- 4 Front PF Keys, 12-Key Keypad
- 8 Character Alphanumeric Aliases
- Backlit LCD & Keys
- Function / Status LCD Icons
- Transmit / Busy / Call Alert / Warn LED
- On / Off Volume Knob
- 16-Position Selector
- 3 Side PF Keys
- Emergency / AUX Key
- Built-in Motion Sensor
- 500 mW Speaker Audio
- Zone / CH# Voice Announcement
- KMC-48GPS Speaker Mic Option
- KPG-141D/DN Windows® FPU
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- IP54/55 Dust & Water Intrusion
- PC Serial Interface
- SDM Manual Input
- Transparent Data Mode

DIGITAL – GENERAL
- NXDN® Digital Air Interface
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
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- Emergency Call
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- Message Trunked Mode
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- 4 Priority Monitor ID's
- Remote Re-Grouping
- Failsoft Mode

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- Wide Area Group Call
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- Conventional & LTR® Zones
- FleetSync® / II, MDC-1200, DTMF
- QT / DQT (Conventional Zones only)
- Voice Inversion Scrambler (16 Codes)

MPT ZONES (option)
- Single-Site Trunking
- Multi-Site Network Trunking
- 8 Network Capacity
- Network Roaming / Registration

FleetSync®/II
- PTT ID ANI / Caller ID
- Selective / Group Call
- Emergency, Status & Text Messages

MDC-1200
- PTT ID ANI / Caller ID
- Emergency, Radio Check & Inhibit

Li-ion VALUE PACKAGES		*LIST*
NX-420K3-SLKVP	Li-ion Value Pack (NX-420K3 + KNB-55L + KSC-25L)	658.30
NX-420K3-LKVP	Hi-Cap Li-ion Value Pack (NX-420K3 + KNB-57L + KSC-25L)	696.30

PACKAGES		*LIST*
NX-420K3-SLKP	Standard Slim Package (NX-420K3 + KNB-55L + KSC-25)	672.00
NX-420K3-LKP	Premium Package (NX-420K3 + KNB-57L + KSC-25)	710.00

RADIO		*LIST*
NX-420K3	806 - 870 MHz 3W, 260 CH, 8 characters Alphanumeric LCD, 4 PF Keys, Full Keypad	550.00

SGS US I.S. APPROVED MODELS		***LIST***
	Must Order L-1732 & an Intrinsically Safe Battery per radio	
NX-420-ISK3	806 - 870 MHz 3W, 260 CH, 8 characters Alphanumeric LCD, 4 PF Keys, Full Keypad	550.00

ANTENNAS		***LIST***
KRA-24M	800 MHz Whip Antenna 1/4 wave end feed	36.75
KRA-32K	700/800 MHz Whip Antenna	35.00
KRA-36	700/800 MHz Stubby Antenna	25.00
KRA-38K	800/900 MHz Whip Antenna	35.00

BATTERIES AND CHARGERS		***LIST***
KBP-5	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included	49.00
KMB-16	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/30 chargers (chargers not included)	173.00
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	191.00
KMB-30M	Wall Mount Bracket for KSC-326K/256K	33.75
KNB-40LCV	1950 mAh, Li-ion battery - requires KSC-25/25L/256K charger **[Intrinsically Safe Option]**	112.00
KNB-55L	1480 mAh, Li-ion battery - requires KSC-25/25L/256K charger	60.00
KNB-56N	1400 mAh, Ni-MH battery	65.00
KNB-57L	2000 mAh, Li-ion battery - requires KSC-25/25L/256K charger	98.00
KSC-25	110 volt Rapid rate single unit charger for KNB-25A/26N/35L/40LC(V)/55L/56N/57L	62.00
KSC-256K	Rapid rate 6-Unit charger for KNB-25A/26N/35L/40LC(V)/55L/56N/57L	630.00
KSC-25L	100~240 volt rapid rate single unit charger for KNB-35L/40LC(V)/55L/57L Li-ion Battery	48.30
KSC-30	110 volt Regular rate single unit charger for KNB-25A/26N/56N	31.50
KVC-4	Vehicular charger adapter for the KSC-16/18/20/24/25 chargers (chargers not included)	84.00

CARRYING ACCESSORIES		***LIST***
KBH-12	Spring action belt clip	8.35
KBH-13DS	Leather swivel belt loop with portable D-Ring attachment	28.85
KLH-179K3	Heavy-Duty Leather Case w/Swivel Belt Loop for NX-220K3/320K3/K6/420K3 (Full Keypad)	49.00
KLH-180K3	Nylon carrying case for NX-220K3/320K3/K6/420K3 (Full Keypad)	26.30
KWR-1	Water resistant bag	29.85

MICROPHONES & AUDIO ACCESSORIES		***LIST***
KMC-48GPS	GPS Speaker Microphone **[Intrinsically Safe Approval Accessory]**	265.00
KMC-45	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack) **[Intrinsically Safe Approval Accessory]**	86.00
KMC-21	Compact speaker microphone **[Intrinsically Safe Approval Accessory]**	51.50
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic **[Intrinsically Safe Approval Accessory]**	52.50
KHS-7	Single muff headset w/boom mic **[Intrinsically Safe Approval Accessory]**	70.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT **[Intrinsically Safe Approval Accessory]**	105.00
KHS-8BL	Two-Wire palm mic w/earphone (black)	103.25
KHS-9BL	Three-Wire lapel mic w/earphone (black)	166.00

MICROPHONES & AUDIO ACCESSORIES - CONT'D		***LIST***
KHS-10-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Approval Accessory]**	368.00
KHS-10-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Approval Accessory]**	336.00
KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band)	41.00
KHS-23	2-Wire Cell-style Earbud Clip/PTT Palm Mic (medium duty)	55.50
KHS-25	Headset w/ D-Ring Ear Hanger w/ PTT & Boom Mic	24.50
KHS-26	Clip Mic w/earphone	28.00
KHS-27	D-Ring Ear Hanger w/PTT & Mic	24.50
KHS-31	C-Ring Ear Hanger w/PTT & Mic	30.00

SOFTWARE OPTIONS		***LIST***
KPG-150AP	NEXEDGE OTAP Manager Windows Software. • License Includes 10 radios / 1 Serial Port* • To add more radios/serial ports, you must contact Kenwood Systems Division [1-800-TRUNKING]	550.00
KWD-MS10	Stationary & Motion Detection Must Order **L-1700** to activate this feature.	60.00

SERVICE RELATED ACCESSORIES		***LIST***
KPG-141DNK	Windows® Programming Software for NX-220/320/420 (Compliant with FCC Part 90 Narrowbanding)	103.25
KPG-22UM	USB Programming interface cable	158.50

INSTALLATION / TUNING CHARGES		***LIST***
L-836	Assemble KMB-16 with six KSC-25/25L	15.00
L-961	Assemble KMB-23 with six KSC-24/25/25L/32 (Rapid Rate, 120 Volt versions only)	17.00
L-1699	NX-220/320/420 Programming (with basic TX/RX check)	37.50
L-1700	NX-220/320/420 KWD-MS10 Activation	N/C
L-1732	Configure NX-220/320/420 for Intrinsically Safe **Must Order an I.S. Battery**	70.00

MPT FIRMWARE/ACCESSORIES/TUNING		***LIST***
KPG-143DNK	Windows® Programming Software for NX series MPT (Compliant with FCC Part 90 Narrowbanding) (Dealer Level License ID included) **Note**: Must order **L-1727** for Network Level License ID & programming privileges	103.25
KWD-NX10MPT	MPT Trunking Field Upgrade Kit for NX series radio Must order **L-1729** **Note:** Not compatible with any other firmware options. Radio does not retain LTR trunking features once the MPT option is installed.	66.70
L-1726	Install MPT option in NX series radio	25.00
L-1727	Network Level License ID for KPG-143D(N) NX series Programmer	158.33
L-1728	Retrofit Install of MPT option in NX seires radio For previously purchased NX series radios. Order L-1728 through LMR order desk/rep. Ship radios to attn: Kenwood LMR Tuning, Long Beach for installation. Include Kenwood order number for L-1728 provided by order desk & copy of company P.O. or P.O. number. **Note:** see NX series MPT Introduction Sales Bulletin for details	85.00
L-1729	NX Series Radio MPT Firmware FIELD-UPGRADE (Must purchase KWD-NX10MPT separately)	NC
L-1730	Install KCT-57MS (for MPT Emergency Call)	20.00

-- IMPORTANT NOTES --

Encryption modules, key loaders and radios containing encryption are export controlled by the U.S. Department of Commerce Bureau of Industry & Security EAR regulations and may either require an Export License, are eligible for a License Exception (ENC) or are exportable with No License Required (NLR) depending on the country, the consignee and the intended use. High level encryption is a special commodity that may require an export license to most countries. See www.bis.gov for more information regarding export regulations. DO NOT SHIP encryption items outside the U.S. without proper DOC/BIS Export Licenses and/or compliances.

Kenwood may request the following information to be submitted at time of order (this information must meet Kenwood internal approvals prior to shipment even if being returned to Kenwood later:

a) Initial Destination: Initial delivery point if different from Ultimate Destination
(customer distribution center, headquarters, dealership, manufacturer's representative)
* Business/Agency Name:
* Address:
* Contact Person Name:
* Contact Phone:

b) Ultimate Destination: Final delivery point(s); deployment/distribution
* Business/Agency Name:
* Address:
* Contact Person Name:
* Contact Phone:

c) Intended Use of Radios: Law enforcement, security, operations, etc.

KWD-AE20 AES FIPS140-2 SCM , NIST Validation & Customer Shipping

A secure delivery method direct to the end user customer is required by the NIST AES FIPS 140-2 validation rules. For U.S. Federal Government entities the SCM must ship from Kenwood USA Corporation directly to the end user customer by a trusted carrier (FEDEX, UPS or a designated Kenwood USA Corporation employee); shipping/handling by a dealer or other entity is not acceptable. This may or may not be required by local/state government agencies or business/industrial users. Please check with the end use customer about their AES encryption handling requirements before ordering. Kenwood will not be responsible for shipments of KWD-AE20K modules to erroneous destinations specified on an order.

Table of Contents

TK-190

Low Band VHF Portable Radio

190 series portables include:
- Belt Clip
- Universal Connector Cap
- Instruction Manual
- Channel Selector

Mechanical stop & dressing plate
- Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

Purchase Battery, Charger & Antenna, Separately

GENERAL FEATURES
- 6 W (29.7-37.0, 35.0-50.0 MHz)
- 16 Channels
- QT / DQT
- Priority Scan
- 7-Character Alphanumeric Aliases
- Lighted 13-Segment LCD
- Inverting LCD Display
- 3-Digit Sub-Display
- Function / Status LCD Icons
- Transmit / Busy / Call Alert / Warn LED
- 2 Top Panel PF keys
- 2 Side PF Keys
- Orange Emergency / AUX Key (side)
- 2-Position PF Toggle Switch (top)
- 500 mW Speaker Audio
- Encryption / ANI Board Control
- Emergency Call Features
- Emergency Man-Down Option
- Two-Tone Decode
- Operator Selectable Tone
- DTMF Encode / Decode
- Time Out Timer
- Busy Channel Lockout
- Low Battery Alert
- Battery Saver
- Weather-sealed ACC Connector
- MIL-Spec Speaker Mic Options
- Windows® Programming & Tuning
- Windows® Firmware Uploading
- Front Panel Test / Tune
- Cloning
- MIL-STD-810 C/D/E/G
- MIL-STD “Driven-Rain”

RADIO		***LIST***
TK-190K	VHF Low Band 29.7 – 37.0 MHz 6W, 16 Channels	674.00
TK-190K2	VHF Low Band 35.0 – 50.0 MHz 6W, 16 Channels	674.00

Important Notice:
If this transceiver is programmed for more than one channel, the transmit frequencies must be within a 500 kHz range.
The physical condition of the antenna may affect the radio's performance. If the original KRA-21 antenna is worn, bent or damaged, immediately have your Kenwood authorized dealer replace the antenna with a new, properly adjusted KRA-21 antenna. Failure to follow these instructions may cause poor performance, damage to your transceiver, and may also place excess transmitter energy on the metal portions of your radio, which could make the transceiver uncomfortable to handle when transmitting. When transmitting, if your hand feels uncomfortable, contact your Kenwood dealer for a transceiver inspection, and possible antenna replacement.

ANTENNA		***LIST***
KRA-21	Tunable VHF Low Band helical antenna 29.7-50MHz. **Note**: Antenna band width is 1 MHz Caution: the TK-190 antenna must be cut per the antennas cutting chart and instructions. Failure to do so will result in a poorly matched antenna, poor performance and most probably excessive and damage in the transmitters final power amplifier circuit.	42.00

BATTERIES AND CHARGERS		***LIST***
KNB-22N	2100 mAh, Ni-MH battery - requires KSC-24 charger	73.50
KNB-51NC	2100 mAh, Ni-MH battery - requires KSC-24 charger **[Intrinsically Safe Approved Accessory]**	114.00
KNB-52N	1400 mAh, Ni-MH battery	67.00
KBP-4	AA Alkaline Refillable Battery Pack (12 AA; 9V) cells not included	43.00
KSC-19	110 volt Regular rate single unit desk charger for KNB-16/17A/17B/52N	36.75
KSC-24	110 volt Rapid rate single unit charger for KNB-14/15/16/17A/17B/20N/21N/22N/22NC/52N	62.00
KMB-16	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/30 chargers (chargers not included)	173.00
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	191.00
KVC-3	Vehicular charger adapter for the KSC-15/17/19/25L/30 chargers (chargers not included)	63.00
KVC-4	Vehicular charger adapter for the KSC-16/18/20/24/25 chargers (chargers not included)	84.00

CARRYING ACCESSORIES		***LIST***
KBH-10	Spring action belt clip	8.35
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	26.30
KLH-6SW	Leather swivel belt loop / detachable swivel D-Ring back	22.00
KLH-78B	Heavy duty leather carrying case for TK-190/290/390/5400 (Non DTMF keypad models)	44.25
KLH-88	Cordura Nylon carrying case for TK-190/290/390/5400 (Non DTMF keypad models)	26.30
KLH-137ST	Firemen's Heavy-Duty Leather Shoulder Strap for a Heavy-Duty Leather Case (KLH-75B/76B/78B/79B//92/122/123/133/148/154)	36.75
KLH-141	Extra Heavy-Duty Cordura Nylon carrying case for TK-190/290/390 (all battery packs; no keypad access)	34.75

MICROPHONES & AUDIO ACCESSORIES		***LIST***
KEP-1	3.5mm earphone kit for KMC-25/26/41M/42WM Speaker Mics **[Intrinsically Safe Approved Accessory]**	52.50
KCT-30	2.5mm Audio Accessory Adapter for KEP-3/4 **[Intrinsically Safe Approved Accessory]**	64.00
KEP-3	30" Earphone kit w/ 2.5mm plug for KCT-30 **[Intrinsically Safe Approved Accessory]**	51.50
KEP-4	48" Earphone kit w/ 2.5mm plug for KCT-30 **[Intrinsically Safe Approved Accessory]**	54.75
KMC-25A	MIL-SPEC, Noise canceling Speaker mic **[Intrinsically Safe Approved Accessory]** **Note**: KMC-25 is not compatible with the TK-190 due to the effects of RF on it at low band frequencies; the KMC-25A is the compatible model. The KMC-26 Speaker microphone with antenna connector CANNOT be used due to the inadequate ground plane properties on a speaker microphone at low band frequencies (the TK-190 does not have an RF pin on its accessory connector).	96.50
KHS-11BE	2-wire palm mic w/earphone, universal connector (Beige) **[Intrinsically Safe Approved Accessory]**	156.50
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black) **[Intrinsically Safe Approved Accessory]**	156.50
KHS-12BE	3-wire mini lapel mic w/earphone, universal connector (Beige) **[Intrinsically Safe Approved Accessory]**	184.00
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black) **[Intrinsically Safe Approved Accessory]**	184.00
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT **[Intrinsically Safe Approved Accessory]**	126.00
KHS-15-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Approved Accessory]**	420.00
KHS-15-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Approved Accessory]**	368.00

OPTION MODULES		***LIST***
KCT-57MS	Man-Down Internal Tilt Switch (Non-Mercury) **[Intrinsically Safe Approved Accessory]**- Must be Kenwood installed for I.S. Order **L-1618** for FleetSync® operations	22.00

SERVICE RELATED ACCESSORIES		***LIST***
KPG-36UM	USB Programming interface cable	158.50
KPG-59DK	Windows® Program Software for TK-190/6110 (Version 2.00)	68.50
**********	**Contact Kenwood Parts for Price and Availability 800-367-7514 on the following:**	
E30-3325-05	Portable-to-Portable Cloning cable (For TK-190/290/390/480/481 Only)	---

INSTALLATION / TUNING CHARGES		***LIST***
L-836	Assemble KMB-16 with six KSC-20's/24's	15.00
L-837	Install KNB-21N/22N/22NC/51NC/52N battery	0.00
L-870	Simultaneous transpond and alert feature up-grade for 90-series mobiles & portables	50.00
L-911	TK-190/TK-6110 Programming (with basic TX/RX check)	25.00
L-914	Cut KRA-21 Low Band Antenna	10.00
L-961	Assemble KMB-23 with six KSC-32K's (Rapid Rate, 120 Volt version only)	17.00
L-1060	80/90 PORTABLE KCT-57MS INSTALLATION (FOR FLEETSYNC)	20.00

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TK-290 / 390

VHF / UHF FM Transceivers

All 90 series portables include:
- Belt Clip
- Universal Connector Cap
- Instruction Manual
- Channel Selector

Mechanical stop & dressing plate
- Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

Purchase Battery, Charger & Antenna Separately

GENERAL FEATURES
- 5 W (136-174 MHz)
- 4 W (450-490 MHz)
- 160 Channels / 16 Channel Groups
- QT / DQT
- Dual Priority Scan
- Single & Multi-Group Scan
- 7-Character Alphanumeric Aliases
- Lighted 13-Segment LCD
- Inverting LCD Display
- 3-Digit Sub-Display
- Function / Status LCD Icons
- Transmit / Busy / Call Alert / Warn LED
- 2 Top Panel PF keys
- 2 Side PF Keys
- Orange Emergency / AUX Key (side)
- 2-Position PF Toggle Switch (top)
- 12-Key DTMF Keypad Models
- 500 mW Speaker Audio
- Companded Audio
- Encryption / ANI Board Control
- Emergency Call Features
- Emergency Man-Down Option
- Two-Tone Decode
- Operator Selectable Tone
- DTMF Encode / Decode
- Time Out Timer
- Busy Channel Lockout
- Low Battery Alert
- Battery Saver
- Weather-sealed ACC Connector
- MIL-Spec Speaker Mic Options
- Windows® Programming & Tuning
- Windows® Firmware Uploading
- Front Panel Test / Tune
- Cloning
- MIL-STD-810 C/D/E/F/G
- MIL-STD "Driven-Rain"
- MSHA Mine Safety Option**
- PA Bureau of Mine Safety Option***

FleetSync®
- PTT ID Digital ANI
- Emergency Status

--- Must Order **L-1027** for MSHA Intrinsically Safe option ---

** **MSHA Intrinsically Safe Models**: Under U.S. CFR Title 30 Part 23, APPROVAL No. 23-A060002, the TK-290/390 portable radios*** (with or without keypad models) are approved intrinsically safe for use in methane-air mixtures only with only the Kenwood 7.2V KNB-51NC battery pack and the MSHA-certified listed options/accessories. The battery pack should only be charged in fresh air

*** TK-290K/K2 & TK-390K/K4 Only (TK-390K2/K3/K6 are not MSHA approved)

--- PA Bureau of Mine Safety option is also **available through the LMR order desk** ---

*** **PA Mines Intrinsically Safe Models**: Under U.S. CFR Title 30 Part 23, APPROVAL No. 23-A060002, the TK-290/390 portable radios*** (with or without keypad models) are approved intrinsically safe for use in bituminous underground coal mines only with only the Kenwood 7.2V KNB-51NC battery pack and the MSHA-certified listed options/accessories. The battery pack should only be charged in fresh air

*** TK-290K/K2 & TK-390K/K4 Only (TK-390K2/K3/K6 are not Commonwealth of PA approved)

RADIO		***LIST***
TK-290K	136-174 MHz 5W, 160 Ch. w/dual priority scan **[MSHA Intrinsically Safe Option]**	788.00
TK-290K2	136-174 MHz 5W, 160 Ch. w/dual priority scan, w/DTMF keypad **[MSHA Intrinsically Safe Option]**	840.00
TK-390K	450-490 MHz 4W, 160 Ch. w/dual priority scan **[MSHA Intrinsically Safe Option]**	840.00
TK-390K4	450-490 MHz 4W, 160 Ch. w/dual priority scan, w/DTMF keypad **[MSHA Intrinsically Safe Option]**	893.00

ANTENNAS		***LIST***
KRA-14M	VHF helical antenna 148-162 MHz	17.80
KRA-14M2	VHF helical antenna 162-174 MHz	17.80
KRA-14M3	VHF helical antenna 136-150 MHz	17.80
KRA-15AM	UHF whip antenna 450-490 MHz	17.80
KRA-15AM2	UHF whip antenna 470-512 MHz	17.80
KRA-15AM3	UHF whip antenna 403-430 MHz	17.80

ANTENNAS - CONT'D		LIST
KRA-16M	VHF stubby antenna 148-162 MHz	13.70
KRA-16M2	VHF stubby antenna 162-174 MHz	13.70
KRA-16M3	VHF stubby antenna 136-150 MHz	13.70
KRA-17M	UHF stubby antenna 450-490 MHz	13.70
KRA-17M2	UHF stubby antenna 470-512 MHz	13.70
KRA-17M3	UHF stubby antenna 403-430 MHz	13.70
KRA-22M	VHF short helical antenna 148-162 MHz	13.70
KRA-22M2	VHF short helical antenna 162-174 MHz	13.70
KRA-22M3	VHF short helical antenna 136-150 MHz	13.70
KRA-23M	UHF short whip antenna 450-490 MHz	13.70
KRA-23M2	UHF short whip antenna 470-512 MHz	13.70
KRA-23M3	UHF short whip antenna 403-430 MHz	13.70
KRA-26M	VHF helical antenna 146-162 MHz	14.00
KRA-26M2	VHF helical antenna 162-174 MHz	14.00
KRA-26M3	VHF helical antenna 136-150 MHz	14.00
KRA-27M	UHF whip antenna 440-490 MHz	14.00
KRA-27M2	UHF whip antenna 470-520 MHz	14.00
KRA-27M3	UHF whip antenna 400-450 MHz	14.00
KRA-25	High gain VHF helically loaded whip antenna 148-162 MHz	34.25

BATTERIES AND CHARGERS		LIST
KNB-22N	2100 mAh, Ni-MH battery - requires KSC-24 charger	73.50
KNB-51NC	2100 mAh, Ni-MH battery - requires KSC-24 charger **[Intrinsically Safe Approved Accessory] [MSHA Approved Accessory]**	114.00
KNB-52N	1400 mAh, Ni-MH battery	67.00
KBP-4	AA Alkaline Refillable Battery Pack (12 AA; 9V) cells not included	43.00
KSC-19	110 volt Regular rate single unit desk charger for KNB-16/17A/17B/52N	36.75
KSC-24	110 volt Rapid rate single unit charger for KNB-14/15/16/17A/17B/20N/21N/22N/22NC/51NC/52N	62.00
KMB-16	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/30 chargers (chargers not included)	173.00
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	191.00
KVC-3	Vehicular charger adapter for the KSC-15/17/19/25L/30 chargers (chargers not included)	63.00
KVC-4	Vehicular charger adapter for the KSC-16/18/20/24/25 chargers (chargers not included)	84.00

CARRYING ACCESSORIES		LIST
KBH-10	Spring action belt clip	8.35
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	26.30
KLH-6SW	Leather swivel belt loop / detachable swivel D-Ring back	22.00
KLH-78B	Heavy duty leather carrying case for TK-190/290/390/5400 (Non DTMF keypad models)	44.25
KLH-79B	Heavy duty leather carrying case for TK-290/390/5400 (DTMF keypad models)	44.25
KLH-88	Cordura Nylon carrying case for TK-190/290/390/5400 (Non DTMF keypad models)	26.30
KLH-89	Cordura Nylon carrying case for TK-290/390/5400 (DTMF Keypad models)	26.30
KLH-90	Heavy duty leather carrying case for TK-290/390/5400 (DTMF keypad models w/ KBP-4)	44.25
KLH-137ST	Firemen's Heavy-Duty Leather Shoulder Strap for a Heavy-Duty Leather Case (KLH-75B/76B/78B/79B//92/122/123/133/148/154)	36.75
KLH-141	Extra Heavy-Duty Cordura Nylon carrying case for TK-190/290/390 (all battery packs; no keypad access)	34.75

MICROPHONES & AUDIO ACCESSORIES		***LIST***
KEP-1	3.5mm earphone kit for KMC-25/26/41M/42WM Speaker Mics **[Intrinsically Safe Approved Accessory] [MSHA Approved Accessory]**	52.50
KCT-30	2.5mm Audio Accessory Adapter for KEP-3/4 **[Intrinsically Safe Approved Accessory]**	64.00
KEP-3	30" Earphone kit w/ 2.5mm plug for KCT-30 **[Intrinsically Safe Approved Accessory] [MSHA Approved Accessory]**	51.50
KEP-4	48" Earphone kit w/ 2.5mm plug for KCT-30 **[Intrinsically Safe Approved Accessory]**	54.75
KMC-25	MIL-SPEC, Noise canceling Speaker mic **[Intrinsically Safe Approved Accessory] [MSHA Approved Accessory]**	96.50
KMC-41M	MIL-SPEC, IP54/55 Noise-canceling Speaker Mic **[MSHA Approved Accessory]**	96.50
KMC-42WM	MIL-SPEC, IP67 (Immersion) Noise-canceling Speaker Mic **[MSHA Approved Accessory]** **Important Note:** Portable radio does not have an IP67 Immersion option; meets MIL STD810 rain standards	114.00
KMC-26	MIL-SPEC, Noise canceling Speaker mic w/Antenna Connector (ant. not incl.) **[Intrinsically Safe Approved Accessory] [MSHA Approved Accessory]**	115.50
KHS-11BE	2-wire palm mic w/earphone, universal connector (Beige) **[Intrinsically Safe Approved Accessory]**	156.50
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black) **[Intrinsically Safe Approved Accessory]**	156.50
KHS-12BE	3-wire mini lapel mic w/earphone, universal connector (Beige) **[Intrinsically Safe Approved Accessory]**	184.00
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black) **[Intrinsically Safe Approved Accessory]**	184.00
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT **[Intrinsically Safe Approved Accessory]**	126.00
KHS-15-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Approved Accessory] [MSHA Approved Accessory]**	420.00
KHS-15-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Approved Accessory] [MSHA Approved Accessory]**	368.00

OPTION MODULES		***LIST***
KCT-57MS	Man-Down Internal Tilt Switch (Non-Mercury) **[Intrinsically Safe Approved Accessory]**- Must be Kenwood installed for I.S. Order **L-1060** for FleetSync® operations	22.00

SERVICE RELATED ACCESSORIES		***LIST***
KPG-36UM	USB Programming interface cable	158.50
KPG-38DNK	Windows® Programming Software for TK-290/390 (Compliant with FCC Part 90 Narrowbanding) **Note:** Self-programming function is not available.	68.50
**********	**Contact Kenwood Parts for Price and Availability 800-367-7514 on the following:**	
E30-3325-05	Portable-to-Portable Cloning cable (For TK-190/290/390/480/481 Only)	---

INSTALLATION / TUNING CHARGES		***LIST***
L-804	TK-290/390 Programming (with basic TX/RX check)	25.00
L-836	Assemble KMB-16 with six KSC-24's	15.00
L-837	Install KNB-21N/22N/22NC/51NC/52N battery	0.00
L-870	Simultaneous transpond and alert feature up-grade for 90-series mobiles & portables	50.00
L-961	Assemble KMB-23 with six KSC-24/25/32 (Rapid Rate, 120 Volt versions only)	17.00
L-1027	Configure TK-290/390 for MSHA Intrinsically Safe **Must order KNB-51NC**	70.00
L-1060	80/90 PORTABLE KCT-57MS INSTALLATION (FOR FLEETSYNC)	20.00

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TK-480 / 481

800/900 MHz FM Portable Radios

All 80 series portables include:
- Antenna
- Belt Clip
- Universal Connector Cap
- Instruction Manual
- Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

Purchase Battery & Charger separately

GENERAL FEATURES
- 2.5 W 800 MHz Models
- 2.5 W 900 MHz Models
- Trunked Format
- LTR® Trunked Systems
- Conventional Systems
- 32 Systems / 250 Groups
- System Scan
- List Type System Scan
- 10 Character Alphanumeric Aliases
- Lighted Dot Matrix LCD
- 3-Digit Sub-Display
- Function / Status LCD Icons
- Transmit / Busy / Call Alert / Warn LED
- 4 Front Panel PF keys
- 2 Side PF Keys
- Orange Emergency / AUX Key
- 12-Key DTMF/PF Keypad
- 500 mW Speaker Audio
- Companded Audio
- Encryption / ANI Board Control
- Emergency Call Features
- Emergency Man-Down Option
- DTMF Encode / Decode
- Time Out Timer
- Low Battery Alert
- Weather-sealed ACC Connector
- MIL-Spec Speaker Mic Option
- Windows® Programming & Tuning
- Windows® Firmware Uploading
- Front Panel Test
- Cloning
- MIL-STD-810 C/D/E/F/G
- MIL-STD "Driven-Rain"
- Intrinsically Safe Option
- NPSPAC Option

CONVENTIONAL SYSTEMS
- QT / DQT
- Single Priority Group Scan
- Busy Channel Lockout

TRUNKED SYSTEMS
- Kenwood LTR® Features

FleetSync®
- PTT ID Digital ANI
- Selective Call & Group Call
- Status Messaging
- Emergency Status
- Caller ID Display
- Short Text Messages (Option)
- PC Serial Interface (Option)

--- Must Order **L-834** or **L-980** for Intrinsically Safe Option ---

* Approved for Classes I, II, III Division 1, Groups C, D, E, F, G and Non-Incendive Class I, Div. 2, Groups C, D hazardous locations.

RADIO		***LIST***
800 MHz		
TK-480K3	806-825, 851-870 MHz 2.5W, LTR-32 Systems, CONV-250 CH.	525.00
TK-480K4	806-825, 851-870 MHz 2.5W, LTR-32 Systems, CONV-250 CH., with DTMF keypad	578.00
L-853	Install firmware & enable NPSPAC operation in TK-480 **Note**: Other required Items: KPG-49D V2.00 or higher permits "per channel" NSPAC programming capability. NPSPAC and PassPort capabilty are not available in the same firmware option.	84.00
900 MHz		
TK-481K3	896-902, 935-941 MHz 2.5W, LTR-32 Systems, CONV-250 CH.	560.00
TK-481K4	896-902, 935-941 MHz 2.5W, LTR-32 Systems, CONV-250 CH. with DTMF keypad	595.00

Important Note:
The TK-480/481/980/981 only operate in "Trunked Format" (LTR & Conventional systems). These are not "Dual Format" radios like the TK-280/380/780/880 mobiles which operate in either Trunked Format (LTR & Conventional systems) or Conventional Format (traditional conventional channel organization with priority scan).

LTR® is a registered trademark of E.F. Johnson Co.

ANTENNAS		***LIST***
**********	**Contact Kenwood Parts for Price and Availability 800-367-7514 on the following:**	
T90-0636-25	Replacement Part: 800 MHz Whip Antenna for TK-480	---
T90-0640-25	Replacement Part: 900 MHz Whip Antenna for TK-481	---

BATTERIES AND CHARGERS		***LIST***
KNB-22N	2100 mAh, Ni-MH battery - requires KSC-24 charger	73.50
KNB-51NC	2100 mAh, Ni-MH battery - requires KSC-24 charger **[Intrinsically Safe Approved Accessory]**	114.00
KNB-52N	1400 mAh, Ni-MH battery	67.00
KBP-4	AA Alkaline Refillable Battery Pack (12 AA; 9V) cells not included	43.00
KSC-19	110 volt Regular rate single unit desk charger for KNB-16/17A/17B/52N	36.75
KSC-24	110 volt Rapid rate single unit charger for KNB-14/15/16/17A/17B/20N/21N/22N/22NC/52N	62.00
KMB-16	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/30 chargers (chargers not included)	173.00
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	191.00
KVC-3	Vehicular charger adapter for the KSC-15/17/19/25L/30 chargers (chargers not included)	63.00
KVC-4	Vehicular charger adapter for the KSC-16/18/20/24/25 chargers (chargers not included)	84.00

CARRYING ACCESSORIES		***LIST***
KBH-10	Spring action belt clip	8.35
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	26.30
KLH-58BC	Bungi-cord for KLH-58/60/71/75/76	3.70
KLH-6SW	Leather swivel belt loop / detachable swivel D-Ring back	22.00
KLH-75B	Heavy duty leather carrying case for TK-480/481 (Non DTMF keypad models)	44.25
KLH-76B	Heavy duty leather carrying case for TK-480/481 (DTMF keypad models)	44.25
KLH-85	Cordura Nylon carrying case for TK-480/481 (DTMF keypad models)	26.30
KLH-86	Cordura Nylon carrying case for TK-480/481 (Non DTMF keypad models)	26.30
KLH-92	Heavy duty leather carrying case for TK-480/481 (DTMF keypad models w/ KBP-4)	44.25
KLH-137ST	Firemen's Heavy-Duty Leather Shoulder Strap for a Heavy-Duty Leather Case (KLH-75B/76B/78B/79B//92/122/123/133/148/154)	36.75
KWR-1	Water resistant bag	29.85

MICROPHONES & AUDIO ACCESSORIES		***LIST***
KEP-1	3.5mm earphone kit for KMC-25/26/41M/42WM Speaker Mics **[Intrinsically Safe Approved Accessory]**	52.50
KCT-30	2.5mm Audio Accessory Adapter for KEP-3/4 **[Intrinsically Safe Approved Accessory]**	64.00
KEP-3	30" Earphone kit w/ 2.5mm plug for KCT-30 **[Intrinsically Safe Approved Accessory]**	51.50
KEP-4	48" Earphone kit w/ 2.5mm plug for KCT-30 **[Intrinsically Safe Approved Accessory]**	54.75
KMC-25	MIL-SPEC, Noise canceling Speaker mic **[Intrinsically Safe Approved Accessory]**	96.50
KMC-41M	MIL-SPEC, IP54/55 Noise-canceling Speaker Mic	96.50
KMC-42WM	MIL-SPEC, IP67 (Immersion) Noise-canceling Speaker Mic **Important Note:** Portable radio does not have an IP67 Immersion option; meets MIL STD810 rain standards	114.00
KHS-11BE	2-wire palm mic w/earphone, universal connector (Beige) **[Intrinsically Safe Approved Accessory]**	156.50
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black) **[Intrinsically Safe Approved Accessory]**	156.50
KHS-12BE	3-wire mini lapel mic w/earphone, universal connector (Beige) **[Intrinsically Safe Approved Accessory]**	184.00
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black) **[Intrinsically Safe Approved Accessory]**	184.00
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT **[Intrinsically Safe Approved Accessory]**	126.00
KHS-15-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Approved Accessory]**	420.00

MICROPHONES & AUDIO ACCESSORIES - CONT'D		***LIST***
KHS-15-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Approved Accessory]**	368.00

OPTION MODULES		***LIST***
KCT-57MS	Man-Down Internal Tilt Switch (Non-Mercury) **[Intrinsically Safe Approved Accessory]**- Must be Kenwood installed for I.S. Order **L-1618** FleetSync® operations	22.00

SERVICE RELATED ACCESSORIES		***LIST***
KPG-36UM	USB Programming interface cable	158.50
KPG-49DK	Windows® Programming Software for TK-480/481/980/981	68.50
**********	**Contact Kenwood Parts for Price and Availability 800-367-7514 on the following:**	
E30-3325-05	Portable-to-Portable Cloning cable (For TK-190/290/390/480/481 Only)	---

INSTALLATION / TUNING CHARGES		***LIST***
L-826	TK-480/481 Programming (with basic TX/RX check)	17.00
L-836	Assemble KMB-16 with six KSC-24's (Rapid Rate, 120 Volt version only)	15.00
L-837	Install KNB-21N/22N/22NC/51NC/52N battery	0.00
L-853	Install firmware & enable NPSPAC operation in TK-480 **Note**: NPSPAC and PassPort capabilty are not available in the same firmware option.	84.00
L-961	Assemble KMB-23 with six KSC-24/25/32 (Rapid Rate, 120 Volt versions only)	17.00
L-980	Configure TK-480/481 for Intrinsically Safe **Must order KNB-51NC**	70.00
L-1060	80/90 PORTABLE KCT-57MS INSTALLATION (FOR FLEETSYNC)	20.00

PassPort® for TK-480/481 Series Portables		***LIST***

PassPort® Options for NEW Radio Orders (Kenwood-installed)

Ordering Instructions
For 800/900 MHz models TK-480/481/980/981 new radio orders, the Kenwood-installed Passport® ESN / firmware option is available for a charge: Order the ESN/Firmware option per L-876, L-877 or L-878.

Other required items:
KPG-63D Radio Programming Software: the KPG-63D is required to program all PassPort® parameters for all PassPort® enabled radios, the KPG-63D will not program LTR or conventional parameters. KPG-49D is required only if LTR or conventional systems are to also be programmed in the PassPort® radio.

KPG-63DK	PassPort® Radio Programming Software V2.00 or higher	68.50
L-876	Install PassPort® ESN options and firmware in TK-480/481/980/981 · 1-24 qty. lot price; Price is per ESN · The latest PassPort® radio firmware will be installed	68.00
L-877	Install PassPort® ESN options and firmware · 25-99 qty. lot price; Price is per ESN · The latest PassPort® radio firmware will be installed	68.00
L-878	Install PassPort® ESN options and firmware · 100 qty. lot price; Price is per ESN · The latest PassPort® radio firmware will be installed	68.00

PassPort® Options for Dealer/Operator Field Conversions (Field-installation kits) - Information on following page

PassPort® Options for Dealer/Operator Field Conversions (Field-installation kits)

Ordering Instructions

1. Order the ESN key/firmware Labor Code options: L-892 or L-894; specify model radio(s).
Pre-loaded ESN hardware key(s) with the ordered quantities of ESN's & a PassPort® radio firmware diskette will be shipped (100 ESN's maximum per hardware key).
Important: Any depleted key previously registered to a technicians computer must be retained to register any new purchased key to the computer; please retain the old key until the new one is received.

2. Other required items:

a. KPG-64D: PassPort® ESN Install Program: the KPG-64D only needs to be ordered one time. It is re-useable for subsequent ESN orders (unless an upgrade is recommended).

b. KPG-63D Radio Programming Software: required to program all PassPort® parameters for all PassPort® enabled radios, the KPG-63D will not program LTR or conventional parameters.

c. KPG-49D Radio Programming Software: required only if LTR or conventional systems are also to be programming in the PassPort® radio.

3. The KPG-49D radio programming software is required for LTR & conventional site programming.

Note: Sales of L-892, 893, 894 are NOT refundable. Purchaser has a 72 hour limit after receipt to report suspected hardware key defects or ESN shortages to Kenwood engineering, Suwanee office 678-474-4700

KPG-63DK	PassPort® Radio Programming Software V2.00 or higher	68.50
KPG-64DK	PassPort® ESN Field Installation Software V1.12 · V1.12: supercedes V1.11; upgrade to V1.12 recommended for improved ESN file database features	10.50
L-892	PassPort® ESN Options & PassPort® firmware disk **(SPECIFY RADIO MODEL)** · 1-24 qty. lot price; Price is per ESN	68.00
L-893	PassPort® ESN Options & PassPort® firmware disk **(SPECIFY RADIO MODEL)** · 25-99 qty. lot price; Price is per ESN	68.00
L-894	PassPort® ESN Options & PassPort® firmware disk **(SPECIFY RADIO MODEL)** · 100 qty lot price; Price is per ESN · Maximum 100 ESN options per hardware key	68.00
SRB08698	Hardware Key (Maximum 100 ESNs per hardware key) - requires KPG-64D to download PassPort® ESN options into an 80-Series radio. **Note**: 1)The hardware key is registered to the computer that it is first used on; it cannot be used on other computers. 2) Empty hardware keys can be returned for 50% credit; call the LMR order desk for RMA #. 3) Retain depleted keys until a new one is received. It will be required to register the new key to the same computer.	87.50

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TK-2140 / 3140

VHF/UHF Trunking / Conventional Compact Portable Radios

All 140 series portables include:
- Belt Clip (KBH-12)
- Universal Connector Cap
- Instruction Manual
- Premiuam Warranty: 3 Years*

* All Accessories / options: 1 Year

Order packages to include Antenna, Battery & Charger, or purchase Battery, Charger, and Antenna separately.

GENERAL FEATURES
- 5 W (136-174 MHz)
- 4 W (450-490 MHz)
- 32 Conventional & LTR® Systems
- 10 Character Alphanumeric Aliases
- Lighted Dot Matrix LCD
- 3-Digit Sub-Display
- Function / Status LCD Icons
- Transmit / Busy / Call Alert / Warn LED
- 4 Front Panel PF keys
- 2 Side PF Keys
- Orange Emergency / AUX Key
- 500 mW Speaker Audio
- Companded Audio
- Emergency Call Features
- DTMF Encode / Decode
- Time Out Timer
- Busy Channel Lockout
- LCD Battery Status Indicator
- Low Battery Alert
- Battery Saver
- Weather-sealed ACC Connector
- MIL-Spec Speaker Mic Option
- Windows® Programming & Tuning
- Windows® Firmware Uploading
- Front Panel Test / Tune
- Cloning
- MIL-STD-810 C/D/E/F/G
- MIL-STD "Driven-Rain"
- Intrinsically Safe Option*

CONVENTIONAL SYSTEMS
- 250 Channels
- QT / DQT
- Two-Tone Decode
- Operator Selectable Tone
- Single Priority Scan
- Single & Multi-Group Scan

TRUNKED SYSTEMS
- 250 GID
- Kenwood LTR® **Features**

FleetSync®
- PTT ID Digital ANI
- Selective Call & Group Call
- Status Messaging
- Emergency Status
- Caller ID Display
- Short Text Messages

--- Must Order **L-942** for Intrinsically Safe Option ---
* Approved for Classes I, II & III, Div. 1, Groups C, D, E, F, G hazardous locations and Non-Incendive Class I, Div. 2, Groups A, B, C & D hazardous locations.

Li-ion VALUE PACKAGES			***LIST***
TK-2140-SLKVP	VHF Li-ion Value Pack	(TK-2140 + KNB-55L + KSC-25L + KRA-26M)	715.30
TK-2140-LKVP	VHF Hi-Cap Li-ion Value Pack	(TK-2140 + KNB-57L + KSC-25L + KRA-26M)	753.30
TK-3140-SLKVP	UHF Li-ion Value Pack	(TK-3140K + KNB-55L + KSC-25L + KRA-27M)	733.30
TK-3140-LKVP	UHF Hi-Cap Li-ion Value Pack	(TK-3140K + KNB-57L + KSC-25L + KRA-27M)	771.30

PACKAGES			***LIST***
TK-2140-NKP	VHF Basic Package	(TK-2140 + KNB-56N + KSC-30 + KRA-26M)	703.50
TK-2140-SLKP	VHF Standard Slim Package	(TK-2140 + KNB-55L + KSC-25 + KRA-26M)	729.00
TK-2140-LKP	VHF Premium Package	(TK-2140 + KNB-57L + KSC-25 + KRA-26M)	767.00
TK-3140-NKP	UHF Basic Package	(TK-3140K + KNB-56N + KSC-30 + KRA-27M)	721.50
TK-3140-SLKP	UHF Standard Slim Package	(TK-3140K + KNB-55L + KSC-25 + KRA-27M)	747.00
TK-3140-LKP	UHF Premium Package	(TK-3140K + KNB-57L + KSC-25 + KRA-27M)	785.00

RADIO		***LIST***
TK-2140	136-174 MHz 5W, LTR-32 Systems, CONV-250 CH.	593.00
TK-3140K	450-490 MHz 4W, LTR-32 Systems, CONV-250 CH.	611.00

ANTENNAS		LIST
KRA-14M	VHF helical antenna 148-162 MHz	17.80
KRA-14M2	VHF helical antenna 162-174 MHz	17.80
KRA-14M3	VHF helical antenna 136-150 MHz	17.80
KRA-15AM	UHF whip antenna 450-490 MHz	17.80
KRA-15AM2	UHF whip antenna 470-512 MHz	17.80
KRA-15AM3	UHF whip antenna 403-430 MHz	17.80
KRA-16M	VHF stubby antenna 148-162 MHz	13.70
KRA-16M2	VHF stubby antenna 162-174 MHz	13.70
KRA-16M3	VHF stubby antenna 136-150 MHz	13.70
KRA-17M	UHF stubby antenna 450-490 MHz	13.70
KRA-17M2	UHF stubby antenna 470-512 MHz	13.70
KRA-17M3	UHF stubby antenna 403-430 MHz	13.70
KRA-22M	VHF low-profile helical antenna 148-162 MHz	13.70
KRA-22M2	VHF low-profile helical antenna 162-174 MHz	13.70
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	13.70
KRA-23M	UHF low-profile helical antenna 450-490 MHz	13.70
KRA-23M2	UHF low-profile helical antenna 470-512 MHz	13.70
KRA-23M3	UHF low-profile helical antenna 403-430 MHz	13.70
KRA-26M	VHF helical antenna 146-162 MHz	14.00
KRA-26M2	VHF helical antenna 162-174 MHz	14.00
KRA-26M3	VHF helical antenna 136-150 MHz	14.00
KRA-27M	UHF whip antenna 440-490 MHz	14.00
KRA-27M2	UHF whip antenna 470-520 MHz	14.00
KRA-27M3	UHF whip antenna 400-450 MHz	14.00

BATTERIES AND CHARGERS		LIST
KBP-5	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included	49.00
KNB-55L	1480 mAh, Li-ion battery - requires KSC-25/25L/256K charger	60.00
KNB-56N	1400 mAh, Ni-MH battery	65.00
KNB-57L	2000 mAh, Li-ion battery - requires KSC-25/25L/256K charger	98.00
KNB-40LCV	1950 mAh, Li-ion battery - requires KSC-25/25L/256K charger **[Intrinsically Safe Option]**	112.00
KSC-25L	120 ~ 240 volt rapid rate single unit charger for KNB-35L/40LC(V)/55L/57L Li-ion Battery	48.30
KSC-25	110 volt Rapid rate single unit charger for KNB-25A/26N/35L/40LC(V)/55L/56N/57L	62.00
KSC-30	110 volt Regular rate single unit charger for KNB-25A/26N/56N	31.50
KSC-256K	Rapid rate 6-Unit charger for KNB-25A/26N/35L/40LC(V)/55L/56N/57L	630.00
KMB-30M	Wall Mount Bracket for KSC-326K/256K	33.75
KMB-16	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/30 chargers (chargers not included)	173.00
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	191.00
KVC-3	Vehicular charger adapter for the KSC-15/17/19/25L/30 chargers (chargers not included)	63.00
KVC-4	Vehicular charger adapter for the KSC-16/18/20/24/25 chargers (chargers not included)	84.00

CARRYING ACCESSORIES		LIST
KBH-12	Spring action belt clip	8.35
KBH-13DS	Leather swivel belt loop with portable D-Ring attachment	28.85
KLH-114	Soft leather case for TK-2140/3140	44.25
KLH-116	Heavy-Duty Leather Case w/Swivel Belt Loop for TK-2140/3140	49.00
KWR-1	Water resistant bag	29.85

MICROPHONES & AUDIO ACCESSORIES		***LIST***
KEP-1	3.5mm earphone kit for KMC-25/26/41M/42WM Speaker Mics **[Intrinsically Safe Approved Accessory]**	52.50
KCT-30	2.5mm Audio Accessory Adapter for KEP-3/4 **[Intrinsically Safe Approved Accessory]**	64.00
KEP-3	30" Earphone kit w/ 2.5mm plug for KCT-30 **[Intrinsically Safe Approved Accessory]**	51.50
KEP-4	48" Earphone kit w/ 2.5mm plug for KCT-30 **[Intrinsically Safe Approved Accessory]**	54.75
KMC-41M	MIL-SPEC, IP54/55 Noise-canceling Speaker Mic **[Intrinsically Safe Approved Accessory]**	96.50
KMC-42WM	MIL-SPEC, IP67 (Immersion) Noise-canceling Speaker Mic **[Intrinsically Safe Approved Accessory]** **Note:** Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards	114.00
KMC-51M	MIL-SPEC, IP54/55 DSP Digital Noise-canceling Speaker Mic **[see note 1]**	250.00
KMC-52W	MIL-SPEC, IP67 (Immersion) DSP Digital Noise-canceling Speaker Mic **[see note 1]** **Note**: Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards	300.00
	[note 1]: To adjust microphone settings different from factory default, download KPG-147NC configuration software and special configuration firmware from Kenwood Tools (no charge).	
KHS-11BE	2-wire palm mic w/earphone, universal connector (Beige) **[Intrinsically Safe Approved Accessory]**	156.50
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black) **[Intrinsically Safe Approved Accessory]**	156.50
KHS-12BE	3-wire mini lapel mic w/earphone, universal connector (Beige) **[Intrinsically Safe Approved Accessory]**	184.00
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black) **[Intrinsically Safe Approved Accessory]**	184.00
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT **[Intrinsically Safe Approved Accessory]**	126.00
KHS-15-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Approved Accessory]**	420.00
KHS-15-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Approved Accessory]**	368.00

SERVICE RELATED ACCESSORIES		***LIST***
KPG-36UM	USB Programming interface cable	158.50
KPG-74DNK	Windows® Programming Software for TK-2140/3140 (Compatible with FCC Part 90 Narrowbanding) **Note:** Self-programming function is not available.	103.25

INSTALLATION / TUNING CHARGES		***LIST***
L-836	Assemble KMB-16 with six KSC-25/25L	15.00
L-924	TK-2140/3140 Programming (with basic TX/RX check)	25.00
L-942	Configure TK-2140/3140 for Intrinsically Safe **Must order an I.S. battery**	70.00
L-961	Assemble KMB-23 with six KSC-24/25/25L/32 (Rapid Rate, 120 Volt versions only)	17.00

FleetSync® for TK-2140/3140 Series Portables — *LIST*

This radios firmware includes both FleetSync® Basic and Enhanced feature sets. However, the "FleetSync® Enhanced" features must be "activated" in the radio by purchasing the FleetSync Enhanced Option.

FleetSync® Basic Features - "Basic" features are available in each radio as shipped from Kenwood (no actitvation is required). The entire Basic feature set is designed to operate between other FleetSync® capable base and fleet radios. Some Basic feature sets require a base dispatch PC application software and/or dispatch hardware device for practical dispatch operations.
1) PTT ANI - digital ANI sent on each PTT using the FleetSync® ID.
2) Caller ID / Caller ID Stack- decodes an incoming PTT ID and displays the caller alphanumeric tag; Caller ID Stack stores the last 3 calls for review.
3) Selective Call - allows base-to-fleet and fleet-to-fleet selective calling via a pre-stored 100 ID list. Each ID can have an 16 character alphanumeric tag for easy selection and Caller ID recognition.
4) Status Messaging - provides up to 50 pre-stored sixteen-character alphanumeric messages permitting a base to send a larger variety of job-type messages and fleet radios to display and respond accordingly with complimentary acknowledgements. Iincludes special reserved statuses for: Emergency, Emergency Man-down, Emergency Mode Off, Horn Alert (mobiles) and Radio Stun/Acknowledge/Resurrect statuses.

FleetSync® Enhanced Option Features - The FleetSync® Enhanced Option must be "activated" in the radio at an extra charge by ordering labor code L-928 for a Kenwood install or by ordering the appropriate quantities of L-925/926/927, SRB08698 and KPG-65ED dealer field retrofit options. This enables the following enhanced features in addition to the Basic feature set:
5) PC Serial Control (mobiles only) - PC Serial Interface enables mobile COM port I/O serial data line for communications between an FleetSync®-capable mobile radio and a FleetSync®-compatible PC application software or a peripheral device (e.g. KDS-100).
6) Short Text Messaging - decodes, stores and displays up to four 48-character Short Text messages
7) Long Text Messaging (mobiles only) - decodes and stores one 1024-character message for output to an external MDT or decode-display device.
8) **FleetSync®-AVL (mobiles only)** - embeds GPS NMEA information in FleetSync® data packets and sends them to a base/control station interfaced with a FleetSync®-AVL compatible software.

To program all 140-Series radio parameters (including FleetSync® parameters):

KPG-36UM	USB Programming interface cable	158.50
KPG-74DNK	Windows® Programming Software for TK-2140/3140 (Compatible with FCC Part 90 Narrowbanding) **Note:** Self-programming function is not available.	103.25

Kenwood Installed FleetSync® Enhanced Option

L-928	FleetSync® Enhanced Option	50.00

Dealer Installed FleetSync® Enhanced Options

Note: Instead of L-928, options L-925/926/927; SRB08698 Hardware Key and KPG-65ED can be purchased for dealer field installation of the FleetSync® Enhanced option

L-925	FleetSync® Enhanced Option (field retrofit) for 140-series; Price each for qty. 1-24	50.00
L-926	FleetSync® Enhanced Option (field retrofit) for 140-series; Price each for qty. 25-99	50.00
L-927	FleetSync® Enhanced Option (field retrofit) for 140-series; Price each for qty. 100+	50.00
SRB08698	Hardware Key **Note**: SRB08698 hardware key holds also 100 ESN's maximum; multiple keys must be purchased for orders over 100. The SRB08698 hardware key requires L-925, 926, or 927 options to be loaded into it. The hardware key requires the KPG-65ED to activate FleetSync® Enhanced Options in a 40-Series radio. The SRB08698 hardware key can be returned when empty for 50% credit. Call the LMR order desk for an RMA#. Credit will NOT be issued for the L-925/926/927 options.	87.50
KPG-65EDK	FleetSync® Enhanced Option Installation Software **Note**: Required for L-925/926/927 & SRB08698 use. This software is re-usable on future orders of L-925/926/927 The KPG-65ED is a one-time order and may be re-used on future orders of L-925, 926, or 927. The SRB08698 hardware key must be installed on the PC parallel port for the KPG-65ED to operate.	10.50

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TK-2170 / 3170

Compact VHF / UHF FM Portable Radios

All 170 series portables include:
- Belt Clip (KBH-12)
- 2-PIN Connector Cap
- Instruction Manual
- Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

Order packages to include Battery, Charger & Antenna, or purchase Battery, Charger, and Antenna separately.

GENERAL FEATURES
- 5 W (136-174 MHz) Models
- 4 W (450-490, 400-430 MHz) Models
- Conventional Zones
- 128 Channels / 128 Zones
- Single Priority Scan
- Single & Multi-Zone Scan
- List Scan
- 8 Character Alphanumeric Aliases
- Backlit LCD
- Function / Status LCD Icons
- Transmit / Busy / Call Alert / Warn LED
- 4 Front Panel PF keys
- 3 Side PF Keys
- Orange Emergency / AUX Key
- 12-Key DTMF / PF Keypad Models
- 500 mW Audio Power
- Enhanced Kenwood Audio
- Companded Audio
- VOX Ready
- Voice Inversion Scrambler Built-in
- Encryption / ANI Board Control
- Easy Option Port (20-Pin)
- Emergency Call Features
- QT / DQT
- Two-Tone Decode
- Single / Two-Tone Encode
- Operator Selectable Tone
- DTMF Encode / Decode
- Special Alert Tone Pattern
- Call Key
- Time Out Timer
- Busy Channel Lockout
- LCD Battery Status Indicator
- Low Battery Alert
- Battery Saver
- Weather-sealed ACC Connector
- Speaker Mic Options
- Windows® Programming & Tuning
- Windows® Firmware Uploading
- Field Programming & Tuning
- Cloning
- MIL-STD-810 C/D/E/F/G
- MIL-STD "Driven-Rain"
- IP-54/55 Water & Dust Intrusion
- Intrinsically Safe Option*

FleetSync®
- PTT ID Digital ANI
- Selective Call & Group Call
- Status Messaging
- Emergency Status
- Caller ID Display
- Short Text Messages
- PC Serial Interface

--- Must Order **L-1000** for Intrinsically Safe Option ---

* Approved for Classes I, II & III, Div. 1, Groups C, D, E, F, G and are also approved for non-Incendive use in Class I, Div. 2, Groups A, B, C, D hazardous locations.

Li-ion VALUE PACKAGES			***LIST***
TK-2170-SLKVP	VHF Li-ion Value Pack	(TK-2170K + KNB-55L + KSC-25L + KRA-26M)	472.30
TK-2170-LKVP	VHF Hi-Cap Li-ion Value Pack	(TK-2170K + KNB-57L + KSC-25L + KRA-26M)	510.30
TK-3170-SLKVP	UHF Li-ion Value Pack	(TK-3170K + KNB-55L + KSC-25L + KRA-27M)	489.30
TK-3170-LKVP	UHF Hi-Cap Li-ion Value Pack	(TK-3170K + KNB-57L + KSC-25L + KRA-27M)	527.30

PACKAGES			***LIST***
TK-2170-NKP	VHF Basic Package	(TK-2170K + KNB-56N + KSC-30 + KRA-26M)	460.50
TK-2170-SLKP	VHF Standard Slim Package	(TK-2170K + KNB-55L + KSC-25 + KRA-26M)	486.00
TK-2170-LKP	VHF Premium Package	(TK-2170K + KNB-57L + KSC-25 + KRA-26M)	524.00
TK-3170-NKP	UHF Basic Package	(TK-3170K + KNB-56N + KSC-30 + KRA-27M)	477.50
TK-3170-SLKP	UHF Standard Slim Package	(TK-3170K + KNB-55L + KSC-25 + KRA-27M)	503.00
TK-3170-LKP	UHF Premium Package	(TK-3170K + KNB-57L + KSC-25 + KRA-27M)	541.00

RADIO		***LIST***
TK-2170K	136-174 MHz 5W, 128 CH / 128 Zone Conventional; 8 Character LCD, 4-key	350.00
TK-2170K2	136-174 MHz 5W, 128 CH / 128 Zone Conventional; 8 Character LCD, 4 + 12-key	400.00
TK-3170K	450-490 MHz 4W, 128 CH / 128 Zone Conventional; 8 Character LCD, 4-key	367.00
TK-3170K4	450-490 MHz 4W, 128 CH / 128 Zone Conventional; 8 Character LCD, 4 + 12-key	417.00
TK-3170K3	400-430 MHz 4W, 128 CH / 128 Zone Conventional; 8 Character LCD, 4-key	367.00
TK-3170K6	400-430 MHz 4W, 128 CH / 128 Zone Conventional; 8 Character LCD, 4 + 12-key	417.00

ANTENNAS		***LIST***
KRA-22M	VHF Low-profile helical antenna 148-162 MHz	13.70
KRA-22M2	VHF Low -profile helical antenna 162-174 MHz	13.70
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	13.70
KRA-23M	UHF Low-profile helical antenna 450-490 MHz	13.70
KRA-23M2	UHF Low-profile helical antenna 470-512 MHz	13.70
KRA-23M3	UHF Low-profile helical antenna 403-430 MHz	13.70
KRA-26M	VHF helical antenna 146-162 MHz	14.00
KRA-26M2	VHF helical antenna 162-174 MHz	14.00
KRA-26M3	VHF helical antenna 136-150 MHz	14.00
KRA-27M	UHF whip antenna 440-490 MHz	14.00
KRA-27M2	UHF whip antenna 470-520 MHz	14.00
KRA-27M3	UHF whip antenna 400-450 MHz	14.00

BATTERIES AND CHARGERS		***LIST***
KBP-5	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included	49.00
KNB-55L	1480 mAh, Li-ion battery - requires KSC-25/25L/256K charger	60.00
KNB-56N	1400 mAh, Ni-MH battery	65.00
KNB-57L	2000 mAh, Li-ion battery - requires KSC-25/25L/256K charger	98.00
KNB-40LCV	1950 mAh, Li-ion battery - requires KSC-25/25L/256K charger **[Intrinsically Safe Option]**	112.00
KSC-25L	100~240 volt rapid rate single unit charger for KNB-35L/40LC(V)/55L/57L Li-ion Battery	48.30
KSC-25	110 volt Rapid rate single unit charger for KNB-25A/26N/35L/40LC(V)/55L/56N/57L	62.00
KSC-30	110 volt Regular rate single unit charger for KNB-25A/26N/56N	31.50
KSC-256K	Rapid rate 6-Unit charger for KNB-25A/26N/35L/40LC(V)/55L/56N/57L	630.00
KMB-30M	Wall Mount Bracket for KSC-326K/256K	33.75
KMB-16	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/30 chargers (chargers not included)	173.00
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	191.00
KVC-3	Vehicular charger adapter for the KSC-15/17/19/25L/30 chargers (chargers not included)	63.00
KVC-4	Vehicular charger adapter for the KSC-16/18/20/24/25 chargers (chargers not included)	84.00

CARRYING ACCESSORIES		***LIST***
KLH-138	Heavy-Duty Leather Case w/Swivel Belt Loop for 160/170/173/360 (Non DTMF keypad)	49.00
KLH-139	Heavy-Duty Leather Case w/Swivel Belt Loop for 170/173 (w/ DTMF keypad)	49.00
KBH-12	Spring action belt clip	8.35
KBH-13DS	Leather swivel belt loop with portable D-Ring attachment	28.85
KWR-1	Water resistant bag	29.85

MICROPHONES & AUDIO ACCESSORIES		***LIST***
KMC-48GPS	GPS Speaker Microphone	265.00
KMC-45	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack) **[Intrinsically Safe Approval Accessory]**	86.00
KMC-21	Compact speaker microphone **[Intrinsically Safe Approval Accessory]**	51.50
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic **[Intrinsically Safe Approved Accessory]**	52.50
KHS-10-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Approved Accessory]**	368.00
KHS-10-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Approval Accessory]**	336.00
KHS-7	Single muff headset w/boom mic **[Intrinsically Safe Approval Accessory]**	70.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT **[Intrinsically Safe Approval Accessory]**	105.00
KHS-8BL	Two-Wire palm mic w/earphone (black)	103.25
KHS-9BL	Three-Wire lapel mic w/earphone (black)	166.00
KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band)	41.00
KHS-23	2-Wire Cell-style Earbud Clip/PTT Palm Mic (medium duty)	55.50
KHS-25	Headset w/ D-Ring Ear Hanger w/ PTT & Boom Mic	24.50
KHS-26	Clip Mic w/earphone	28.00
KHS-27	D-Ring Ear Hanger w/PTT & Mic	24.50
KHS-31	C-Ring Ear Hanger w/PTT & Mic	30.00

OPTION MODULES		***LIST***
KCT-57MS	Man-Down Internal Tilt Switch (Non-Mercury) **[Intrinsically Safe Approved Accessory]**- Must be Kenwood installed for I.S. Order **L-1609** for FleetSync® operations	22.00

SERVICE RELATED ACCESSORIES		***LIST***
KPG-101DNK	Windows® Programming Software for TK-2170/3170/3173 (Compliant with FCC Part 90 Narrowbanding) **Note:** Self-programming function is not available.	103.25
KPG-22UM	USB Programming interface cable	158.50

INSTALLATION / TUNING CHARGES		***LIST***
L-836	Assemble KMB-16 with six KSC-25/25L	15.00
L-961	Assemble KMB-23 with six KSC-24/25/25L/32 (Rapid Rate, 120 Volt versions only)	17.00
L-992	TK-2170/3170 Programming (with basic TX/RX check)	37.50
L-1000	Configure TK-2170/3170 for Intrinsically Safe **Must Order an I.S. Battery**	70.00
L-1609	170/173 Portable KCT-57MS Installation (for FleetSync®)	20.00

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TK-2180 / 3180

VHF/UHF Trunking & Conventional Portable Radios

All 180 series portables include:
- Belt Clip (KBH-11)
- Universal Connector Cap
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

Order packages to include Battery & Charger, or purchase Battery, Charger, and Antenna separately.

GENERAL FEATURES
- 5 W (136-174 MHz) Models
- 5 W (450-520, 400-470 MHz) Models
- Conventional & LTR® Zones
- 12 Character Alphanumeric Aliases
- Backlit Dot Matrix LCD
- 3-Digit Sub-Display
- Function / Status LCD Icons
- RSSI Indicator
- Date & 12/24 Hour Time Clock
- Transmit / Busy / Call Alert / Warn LED
- 4 Front Panel PF keys
- 2 Side PF Keys
- Orange Emergency / AUX Key
- 12-Key DTMF / PF Keypad
- 500 mW Audio Power
- Enhanced Kenwood Audio
- Companded Audio
- VOX Ready
- Voice Inversion Scrambler Built-in
- Encryption / ANI Board Control
- Easy Option Port
- VGS-1 Voice Guide / Storage Option
- Emergency Call Features
- Emergency Man-Down Option
- DTMF Encode / Decode
- Special Alert Tone Patterns
- Call Key
- Time Out Timer
- Busy Channel Lockout
- LCD Battery Status Indicator
- Low Battery Alert
- Battery Saver
- Weather-sealed ACC Connector
- MIL-Spec Speaker Mic Option
- Windows® Programming & Tuning
- Windows® Firmware Uploading
- Front Panel Test/Tune
- Cloning
- MIL-STD-810 C/D/E/F/G
- MIL-STD "Driven-Rain"
- IP-54/55 Water & Dust Intrusion
- Intrinsically Safe Option*

CONVENTIONAL ZONES
- 512 Channels / 128 Zones
- QT / DQT
- Two-Tone Decode
- Single / Two-Tone Encode
- Operator Selectable Tone
- Dual Priority Scan
- Single & Multi-Zone Scan
- List Scan

TRUNKED ZONES
- 512 GID / 128 Zones
- Kenwood LTR® Features

MPT ZONES (option)
- Single-Site Trunking
- Multi-Site Network Trunking
- 8 Network Capacity
- Network Roaming / Registration

FleetSync®
- FleetSync® or FleetSync® II
- PTT ID Digital ANI
- Selective Call & Group Call
- Status Messaging
- Emergency Status
- Caller ID Display
- Short Text Messages
- Power On/Off Status Messages
- PC Serial Interface
- Send/Display GPS (KMC-38GPS)
- PTT ID & Emergency GPS Reporting
- Status Message Block GPS Reporting

MDC-1200

* Approved for Classes I, II & III, Div. 1, Groups C, D, E, F, G and are also approved for non-Incendive use in Class I, Div. 2, Groups A,B, C, D hazardous locations.
Note: Class I, Div 2 Group A & B Gases require use of a portable carrying case.

PACKAGES		***LIST***
TK-2180K-NKP	VHF NiMH Battery Package (TK-2180K + KNB-54N + KSC-32 + KBH-11)	700.50
TK-2180K-LKP	VHF Li-Ion Battery Package (TK-2180K + KNB-33L + KSC-32 + KBH-11)	718.00
TK-3180K-NKP	UHF NiMH Battery Package (TK-3180K + KNB-54N + KSC-32 + KBH-11)	717.50
TK-3180K2-NKP	UHF NiMH Battery Package (TK-3180K2 + KNB-54N + KSC-32 + KBH-11)	717.50
TK-3180K-LKP	UHF Li-Ion Battery Package (TK-3180K + KNB-33L + KSC-32 + KBH-11)	735.00
TK-3180K2-LKP	UHF Li-Ion Battery Package (TK-3180K2 + KNB-33L + KSC-32 + KBH-11)	735.00

RADIO		***LIST***
TK-2180K	136-174 MHz 5W, 512 CH / 128 Zone CONV-& LTR	543.00
TK-2180K2	136-174 MHz 5W, 512 CH / 128 Zone CONV-& LTR with DTMF keypad	595.00
TK-3180K	450-520 MHz 5W, 512 CH / 128 Zone CONV-& LTR	560.00
TK-3180K3	450-520 MHz 5W, 512 CH / 128 Zone CONV-& LTR with DTMF Keypad	613.00
TK-3180K2	400-470 MHz 5W, 512 CH / 128 Zone CONV-& LTR	560.00
TK-3180K4	400-470 MHz 5W, 512 CH / 128 Zone CONV-& LTR with DTMF Keypad	613.00

FACTORY MUTUAL (FM) APPROVED MODELS		***LIST***
	Must Order L-994 & an Intrinsically Safe Battery per radio	
TK-2180-ISK	136-174 MHz 5W, 512 CH / 128 Zone CONV-& LTR	543.00
TK-2180-ISK2	136-174 MHz 5W, 512 CH / 128 Zone CONV-& LTR with DTMF keypad	595.00
TK-3180-ISK	450-520 MHz 5W, 512 CH / 128 Zone CONV-& LTR	560.00
TK-3180-ISK3	450-520 MHz 5W, 512 CH / 128 Zone CONV-& LTR with DTMF Keypad	613.00
TK-3180-ISK2	400-470 MHz 5W, 512 CH / 128 Zone CONV-& LTR	560.00
TK-3180-ISK4	400-470 MHz 5W, 512 CH / 128 Zone CONV-& LTR with DTMF Keypad	613.00

ANTENNAS		***LIST***
KRA-26M	VHF helical antenna 146-162 MHz	14.00
KRA-26M2	VHF helical antenna 162-174 MHz	14.00
KRA-26M3	VHF helical antenna 136-150 MHz	14.00
KRA-27M	UHF whip antenna 440-490 MHz	14.00
KRA-27M2	UHF whip antenna 470-520 MHz	14.00
KRA-27M3	UHF whip antenna 400-450 MHz	14.00
KRA-22M	VHF low-profile helical antenna 148-162 MHz	13.70
KRA-22M2	VHF low-profile helical antenna 162-174 MHz	13.70
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	13.70
KRA-23M	UHF low-profile helical antenna 450-490 MHz	13.70
KRA-23M2	UHF low-profile helical antenna 470-512 MHz	13.70
KRA-23M3	UHF low-profile helical antenna 403-430 MHz	13.70
KRA-25	High gain VHF helically loaded whip antenna 148-162 MHz	34.25
KRA-28	Broad-band VHF helically loaded whip antenna 140-170 MHz	42.00

BATTERIES AND CHARGERS		***LIST***
KNB-54N	2500 mAh, Ni-MH battery - requires KSC-32/326K charger	87.50
KNB-33L	2000 mAh, Li-ion battery - requires KSC-32/326K charger	105.00
KNB-41NC-FM	2500 mAh, Ni-MH battery - requires KSC-32/326K charger **[FM Intrinsically Safe Option]**	136.50
KNB-43L	3300 mAh, Li-Polymer battery - requires KSC-32/326K charger	163.00
KNB-49PL	4500 mAh, Primary Lithium battery **Note**: **Non-Rechargeable** (please recycle all batteries properly) 10 year Shelf Life (approx. 1% charge degradation per year when properly stored: +50 °F to +86 °F @ less than 70% humidity	84.00
KBP-6	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included **Note:** the color of the case is orange	68.50
KSC-32	Rapid rate single unit charger for KNB-31A/32N/33L/41NC/43L/47L/48L/50NC **Note:** Includes 110/220V auto-switching AC adapter with U.S.-style line cord plug; requires plug adapter for 220V Euro-style outlets (not supplied).	70.00
KSC-326K	Rapid rate 6-unit charger for KNB-31A/32N/33L/41NC/43L/47L/48L/50NC	630.00
KMB-30M	Wall Mount Bracket for KSC-326K/256K	33.75
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	191.00

BATTERIES AND CHARGERS - CONT'D		***LIST***
KVC-15	Rapid rate DC vehicular charger adapter for the KSC-32 (chargers not included; includes KSC-mobile bracket & cigarette lighter cable DC adapter)	119.00
KVC-18	Vehicular D.C. Charger for 180/5*10 Portables with NiCd or NiMH Battery	446.50
KVC-20L	Vehicular D.C. Charger for 180/5**0/, NX Portables with Li-ion or Li Polymer Battery	497.00

CARRYING ACCESSORIES		***LIST***
KBH-10	Low profile spring action belt clip (for use with KNB-33L Only)	8.35
KBH-11	Spring action belt clip (2.5")	14.70
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	26.30
KLH-6SW	Leather swivel belt loop / detachable swivel D-Ring back	22.00
KLH-122	Heavy duty leather carrying case for TK-2180/3180 (Non DTMF keypad models)	44.25
KLH-123	Heavy duty leather carrying case for TK-2180/3180 (DTMF keypad models)	44.25
KLH-124	Cordura Nylon carrying case for TK-2180/3180 (Non DTMF keypad models)	26.30
KLH-125	Cordura Nylon carrying case for TK-2180/3180 (DTMF keypad models)	26.30
KLH-137ST	Firemen's Heavy-Duty Leather Shoulder Strap for a Heavy-Duty Leather Case (KLH-75B/76B/78B/79B//92/122/123/133/148/154)	36.75
KWR-1	Water resistant bag	29.85

MICROPHONES & AUDIO ACCESSORIES		***LIST***
KMC-51M	MIL-SPEC, IP54/55 DSP Digital Noise-canceling Speaker Mic **[see note 1]**	250.00
KMC-52W	MIL-SPEC, IP67 (Immersion) DSP Digital Noise-canceling Speaker Mic **[see note 1]** **Note**: Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards	300.00
	[note 1]: To adjust microphone settings different from factory default, download KPG-147NC configuration software and special configuration firmware from Kenwood Tools (no charge).	
KMC-47GPS	GPS Speaker Microphone	290.00
KMC-40	MIL-SPEC, Speaker Mic. with Antenna Connector **Note**: 5/16" Coax cable hex wrench included (antenna is not included).	250.00
KMC-41M	MIL-SPEC, IP54/55 Noise-canceling Speaker Mic **[Intrinsically Safe Approved Accessory]**	96.50
KMC-42WM	MIL-SPEC, IP67 (Immersion) Noise-canceling Speaker Mic **[Intrinsically Safe Approved Accessory]** **Note:** Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards	114.00
KEP-1	3.5mm earphone kit for KMC-25/26/41M/42WM Speaker Mics **[Intrinsically Safe Approved Accessory]**	52.50
KCT-30	2.5mm Audio Accessory Adapter for KEP-3/4 **[Intrinsically Safe Approved Accessory]**	64.00
KCT-51	Hirose 6-pin Adapter (adapts KVL/aftermarket audio acc. to portable connector) **[Intrinsically Safe Approved Accessory]**	215.00
KEP-3	30" Earphone kit w/ 2.5mm plug for KCT-30 **[Intrinsically Safe Approved Accessory]**	51.50
KEP-4	48" Earphone kit w/ 2.5mm plug for KCT-30 **[Intrinsically Safe Approved Accessory]**	54.75
KHS-11BE	2-wire palm mic w/earphone, universal connector (Beige) **[Intrinsically Safe Approved Accessory]**	156.50
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black) **[Intrinsically Safe Approved Accessory]**	156.50
KHS-12BE	3-wire mini lapel mic w/earphone, universal connector (Beige) **[Intrinsically Safe Approved Accessory]**	184.00
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black) **[Intrinsically Safe Approved Accessory]**	184.00
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT **[Intrinsically Safe Approved Accessory]**	126.00
KHS-15-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Approved Accessory]**	420.00
KHS-15-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Approved Accessory]**	368.00

OPTION MODULES		***LIST***
KCT-48VU	External Vibration Unit **[Intrinsically Safe Approved Accessory]** **Note:** Audio accessories cannot be used when this option installed.	49.00
KCT-57MS	Man-Down Internal Tilt Switch (Non-Mercury) **[Intrinsically Safe Approved Accessory]**- Must be Kenwood installed for I.S. Order **L-1610** for CIM-1000, K-20, K-26 & **L-1611** for FleetSync® operations	22.00
VGS-1	Voice Guide and Storage Unit **[Intrinsically Safe Approved Accessory]**	87.50

FRIMWARE OPTIONS		***LIST***
KWD-180TFS	TFS-- Tactical Feature Set-- Field Upgrade Kit for 180-Series Must order **L-1624** **Note**: Refer to 180-Series "Tactical Feature Set" In-Depth Technical Manual for feature details (available from technical support). Not compatible with any other firmware options.	105.00

SERVICE RELATED ACCESSORIES		***LIST***
KPG-36UM	USB Programming interface cable	158.50
KPG-89DNK	Windows® Programming Software for TK-2180/3180/7180/8180 (Compliant with FCC Part 90 Narrowbanding) **Note:** Self-programming & Tactical Feature Set* functions are not available. *** KPG-89DK is required for Tactical Feature Set. KPG-89DK is no longer supported or distributed by Kenwood**	103.25

INSTALLATION / TUNING CHARGES		***LIST***
L-961	Assemble KMB-23 with six KSC-32K's (Rapid Rate, 120 Volt version only)	17.00
L-962	Install VGS-1 Voice Guide & Storage Unit **Note**: VGS-1 installation precludes any ANI or encryption board installation	25.00
L-963	TK-2180/3180 Programming (with basic TX/RX check)	37.50
L-994	Configure TK-2180-IS/3180-IS for Intrinsically Safe **Must order an I.S. battery, KNB-41NC-FM**	70.00
L-1051	TK-2180/3180 TFS INSTALLATION **Note:** KPG-89DK is required to program the TFS (Tactical Feature Set). KPG-89DK is no longer supported or distributed by Kenwood. TFS will not workwith KPG-89DNK.	100.00
L-1611	180 Portable KCT-57MS Installation (for FleetSync®)	20.00
L-1619	180 Portable KWD-180MPT FIELD-UPGRADE (Must purchase KWD-180MPT separately)	NC
L-1624	180 Portable KWD-180TFS FIELD-UPGRADE (Must purchase KWD-180TFS separately)	NC

MPT FIRMWARE/ACCESSORIES/TUNING		***LIST***
KWD-180MPT	MPT Trunking Field Upgrade Kit for 180-Series Must order **L-1619** **Note:** Refer to 180-Series MPT Price Pages and 180-Series MPT In-Depth Technical Manuals for feature details (available from technical support). Not compatible with any other firmware options Radio does not retain all normal 180-Series conventional or LTR trunking features once the MPT option is installed.	43.75
L-1012	Install MPT option in 180-Series radio	16.67
L-1013	Network Level License ID for KPG-96D(N) 180-Series Programmer	158.33
L-1014	Retrofit Install of MPT option in 180-Seires radio For previously purchased 180-Series radios. Order L-1014 through LMR order desk/rep. Ship radios to attn: Kenwood LMR Tuning, Long Beach for installation. Include Kenwood order number for L-1014 provided by order desk & copy of company P.O. or P.O. number. **Note:** Only certain Serial Number Lots produced in late 2004 and later can be retrofitted - see 180-Series MPT Introduction Sales Bulletin for details	85.00
L-1061	Install KCT-57MS (for MPT Emergency Call)	20.00

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TK-3173

UHF Trunking & Conventional Compact Portable Radio

All 173 series portables include:
- Belt Clip (KBH-12)
- 2-PIN Connector Cap
- Instruction Manual
- Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

Order packages to include Battery, Charger & Antenna, or purchase Battery, Charger, and Antenna separately.

GENERAL FEATURES
- 4 W, 450-490 MHz
- Conventional & LTR® Zones
- 8 Character Alphanumeric Aliases
- Backlit LCD
- Function / Status LCD Icons
- Transmit / Busy / Call Alert / Warn LED
- 4 Front Panel PF keys
- 3 Side PF Keys
- Orange Emergency / AUX Key
- 500 mW Audio Power
- Enhanced Kenwood Audio
- Companded Audio
- Encryption / ANI Board Control
- Easy Option Port (20-Pin)
- Emergency Call Features
- Emergency Man-Down Option
- QT / DQT
- DTMF Encode / Decode
- Special Alert Tone Patterns
- Call Key
- Time Out Timer
- Busy Channel Lockout
- LCD Battery Status Indicator
- Low Battery Alert
- Weather-sealed ACC Connector
- Speaker Mic Options
- Windows® Programming & Tuning
- Windows® Firmware Uploading
- Field Programming & Tuning
- Cloning
- MIL-STD-810 C/D/E/F/G
- MIL-STD "Driven-Rain"
- IP-54/55 Water & Dust Intrusion
- Intrinsically Safe Option*

CONVENTIONAL ZONES
- 128 Channels / 128 Zones
- QT / DQT
- Two-Tone Decode
- Single / Two-Tone Encode
- Operator Selectable Tone
- Single Priority Scan
- Single & Multi-Zone Scan
- List Scan
- Voice Inversion Scrambler Built-in
- VOX Ready
- Battery Saver

TRUNKED ZONES
- 250 GID / 128 Zones
- Kenwood LTR® Features

FleetSync®
- PTT ID Digital ANI
- Selective Call & Group Call
- Status Messaging
- Emergency Status
- Caller ID Display
- Short Text Messages
- PC Serial Interface

--- Must Order **L-1000** for Intrinsically Safe Option ---

* Approved for Classes I, II & III, Div. 1, Groups C, D, E, F, G and are also approved for non-Incendive use in Class I, Div. 2, Groups A, B, C, D hazardous locations.

Li-ion VALUE PACKAGES			***LIST***
TK-3173-SLKVP	Li-ion Value Pack	(TK-3173K + KNB-55L + KSC-25L + KRA-27M)	521.30
TK-3173-LKVP	Hi-Cap Li-ion Value Pack	(TK-3173K + KNB-57L + KSC-25L + KRA-27M)	559.30

PACKAGES			***LIST***
TK-3173-NKP	Basic Package	(TK-3173K + KNB-56N + KSC-30 + KRA-27M)	509.50
TK-3173-SLKP	Standard Slim Package	(TK-3173K + KNB-55L + KSC-25 + KRA-27M)	535.00
TK-3173-LKP	Premium Package	(TK-3173K + KNB-57L + KSC-25 + KRA-27M)	573.00

RADIO		***LIST***
TK-3173K	450-490 MHz 4W, 128 CH / 128 Zone Conventional; 8 Character LCD, 4-key	399.00
TK-3173K4	450-490 MHz 4W, 128 CH / 128 Zone Conventional; 8 Character LCD, 4 + 12-key	448.00

ANTENNAS		***LIST***
KRA-23M	UHF Low-profile helical antenna 450-490 MHz	13.70
KRA-27M	UHF whip antenna 440-490 MHz	14.00

BATTERIES AND CHARGERS		***LIST***
KBP-5	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included	49.00
KNB-55L	1480 mAh, Li-ion battery - requires KSC-25/25L/256K charger	60.00
KNB-56N	1400 mAh, Ni-MH battery	65.00
KNB-57L	2000 mAh, Li-ion battery - requires KSC-25/25L/256K charger	98.00
KNB-40LCV	1950 mAh, Li-ion battery - requires KSC-25/25L/256K charger **[Intrinsically Safe Option]**	112.00
KSC-25L	100~240 volt rapid rate single unit charger for KNB-35L/40LC(V)/55L/57L Li-ion Battery	48.30
KSC-25	110 volt Rapid rate single unit charger for KNB-25A/26N/35L/40LC(V)/55L/56N/57L	62.00
KSC-30	110 volt Regular rate single unit charger for KNB-25A/26N/56N	31.50
KSC-256K	Rapid rate 6-Unit charger for KNB-25A/26N/35L/40LC(V)/55L/56N/57L	630.00
KMB-30M	Wall Mount Bracket for KSC-326K/256K	33.75
KMB-16	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/30 chargers (chargers not included)	173.00
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	191.00
KVC-3	Vehicular charger adapter for the KSC-15/17/19/25L/30 chargers (chargers not included)	63.00
KVC-4	Vehicular charger adapter for the KSC-16/18/20/24/25 chargers (chargers not included)	84.00

CARRYING ACCESSORIES		***LIST***
KLH-138	Heavy-Duty Leather Case w/Swivel Belt Loop for 160/170/173/360 (Non DTMF keypad)	49.00
KLH-139	Heavy-Duty Leather Case w/Swivel Belt Loop for 170/173 (w/ DTMF keypad)	49.00
KBH-12	Spring action belt clip	8.35
KBH-13DS	Leather swivel belt loop with portable D-Ring attachment	28.85
KWR-1	Water resistant bag	29.85

MICROPHONES & AUDIO ACCESSORIES		***LIST***
KMC-48GPS	GPS Speaker Microphone	265.00
KMC-45	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack) **[Intrinsically Safe Approval Accessory]**	86.00
KMC-21	Compact speaker microphone **[Intrinsically Safe Approval Accessory]**	51.50
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic **[Intrinsically Safe Approved Accessory]**	52.50
KHS-10-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Approved Accessory]**	368.00
KHS-10-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Approval Accessory]**	336.00
KHS-7	Single muff headset w/boom mic **[Intrinsically Safe Approval Accessory]**	70.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT **[Intrinsically Safe Approval Accessory]**	105.00
KHS-8BL	Two-Wire palm mic w/earphone (black)	103.25
KHS-9BL	Three-Wire lapel mic w/earphone (black)	166.00
KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band)	41.00
KHS-23	2-Wire Cell-style Earbud Clip/PTT Palm Mic (medium duty)	55.50
KHS-25	Headset w/ D-Ring Ear Hanger w/ PTT & Boom Mic	24.50
KHS-26	Clip Mic w/earphone	28.00
KHS-27	D-Ring Ear Hanger w/PTT & Mic	24.50
KHS-31	C-Ring Ear Hanger w/PTT & Mic	30.00

OPTION MODULES		***LIST***
KCT-57MS	Man-Down Internal Tilt Switch (Non-Mercury) **[Intrinsically Safe Approved Accessory]**- Must be Kenwood installed for I.S. Order **L-1609** for FleetSync® operations	22.00

SERVICE RELATED ACCESSORIES		***LIST***
KPG-101DNK	Windows® Programming Software for TK-2170/3170/3173 (Compliant with FCC Part 90 Narrowbanding) **Note:** Self-programming function is not available.	103.25
KPG-22UM	USB Programming interface cable	158.50

INSTALLATION / TUNING CHARGES		***LIST***
L-836	Assemble KMB-16 with six KSC-25/25L	15.00
L-961	Assemble KMB-23 with six KSC-24/25/25L/32 (Rapid Rate, 120 Volt versions only)	17.00
L-993	TK-3173 Programming (with basic TX/RX check)	37.50
L-1001	Configure TK-3173 for Intrinsically Safe	70.00
L-1609	170/173 Portable KCT-57MS Installation (for FleetSync®)	20.00

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TK-2360 / 3360

Compact VHF / UHF FM Portable Radios

All 360 series portables include:
- Belt Clip (KBH-12)
- 2-PIN Connector Cap
- Instruction Manual
- Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

Order packages to include Battery, Charger & Antenna, or purchase Battery, Charger, and Antenna separately.

GENERAL FEATURES
- 5W (136-174 MHz)
- 5W (450-520, 400-470 MHz)
- 16 Conventional Channels
- Single Priority / Normal Scan
- Transmit / Busy / Call Alert / Scan / Warn LED
- 4-Color LED (Blue/Red/Green/Orange)
- 3 PF Keys (w/Hold Function)
- Orange Emergency / AUX Key
- 500 mW Audio Power
- Enhanced Kenwood Audio
- Companded Audio (per CH)
- Voice CH# Announcement
- VOX ready
- Voice Inversion Scrambler Built-in
- 16 Scrambler Codes (per CH)
- Emergency Call Features
- Emergency Man-Down Option
- Lone Worker Alert
- QT / DQT
- Two-Tone Decode
- Single / Two-Tone Encode
- DTMF Encode / Decode
- Special Alert Tone Pattern
- Time Out Timer
- Busy Channel Lockout
- Low Battery Warning
- Battery Saver
- Windows Programming & Tuning
- Password Protection
- MIL-STD-810 C/D/E/F/G
- IP-54/55 Water & Dust Intrusion
- Intrinsically Safe Option*

FleetSync®
- PTT ID Digital ANI
- Selective Call & Group Call
- Paging Call
- Status Messaging
- Emergency Status

MDC-1200
- PTT ID Digital ANI
- Emergency Status
- Radio Check
- Radio Inhibit

--- Must Order **L-1716** for Intrinsically Safe Option ---

* Approved for Classes I, II & III, Div. 1, Groups C, D, E, F, G and are also approved for non-Incendive use in Classes I, II & III, Div. 2, Groups A, B, C, D, F, G hazardous locations.

Li-ion VALUE PACKAGES			***LIST***
TK-2360-SLKVP	VHF Li-ion Value Pack	(TK-2360K + KNB-55L + KSC-25L + KRA-26M)	333.30
TK-2360-LKVP	VHF Hi-Cap Li-ion Value Pack	(TK-2360K + KNB-57L + KSC-25L + KRA-26M)	371.30
TK-3360-SLKVP	UHF Li-ion Value Pack	(TK-3360K + KNB-55L + KSC-25L + KRA-27M)	349.80
TK-3360-LKVP	UHF Hi-Cap Li-ion Value Pack	(TK-3360K + KNB-57L + KSC-25L + KRA-27M)	387.80

PACKAGES			***LIST***
TK-2360-NKP	VHF Basic Package	(TK-2360K + KNB-56N + KSC-30 + KRA-26M)	321.50
TK-2360-SLKP	VHF Standard Slim Package	(TK-2360K + KNB-55L + KSC-25 + KRA-26M)	347.00
TK-2360-LKP	VHF Premium Package	(TK-2360K + KNB-57L + KSC-25 + KRA-26M)	385.00
TK-3360-NKP	UHF Basic Package	(TK-3360K + KNB-56N + KSC-30 + KRA-27M)	338.00
TK-3360-SLKP	UHF Standard Slim Package	(TK-3360K + KNB-55L + KSC-25 + KRA-27M)	363.50
TK-3360-LKP	UHF Premium Package	(TK-3360K + KNB-57L + KSC-25 + KRA-27M)	401.50

RADIO		***LIST***
TK-2360K	136-174 MHz 5W, 16 CH Conventional	211.00
TK-3360K	450-520 MHz 5W, 16 CH Conventional	227.50
TK-3360K2	400-470 MHz 5W, 16 CH Conventional	227.50

SGS US I.S. APPROVED MODELS		***LIST***
	Must Order L-1716 & an Intrinsically Safe Battery per radio	
TK-2360-ISK	136-174 MHz 5W, 16 CH Conventional	211.00
TK-3360-ISK	450-520 MHz 5W, 16 CH Conventional	227.50
TK-3360-ISKK2	400-470 MHz 5W, 16 CH Conventional	227.50

ANTENNAS		***LIST***
KRA-22M	VHF Low-profile helical antenna 148-162 MHz	13.70
KRA-22M2	VHF Low -profile helical antenna 162-174 MHz	13.70
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	13.70
KRA-23M	UHF Low-profile helical antenna 450-490 MHz	13.70
KRA-23M2	UHF Low-profile helical antenna 470-512 MHz	13.70
KRA-23M3	UHF Low-profile helical antenna 403-430 MHz	13.70
KRA-26M	VHF helical antenna 146-162 MHz	14.00
KRA-26M2	VHF helical antenna 162-174 MHz	14.00
KRA-26M3	VHF helical antenna 136-150 MHz	14.00
KRA-27M	UHF whip antenna 440-490 MHz	14.00
KRA-27M2	UHF whip antenna 470-520 MHz	14.00
KRA-27M3	UHF whip antenna 400-450 MHz	14.00

BATTERIES AND CHARGERS		***LIST***
KBP-5	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included	49.00
KNB-40LCV	1950 mAh, Li-ion battery - requires KSC-25/25L/256K charger **[Intrinsically Safe Option]**	112.00
KNB-55L	1480 mAh, Li-ion battery - requires KSC-25/25L/256K charger	60.00
KNB-56N	1400 mAh, Ni-MH battery	65.00
KNB-57L	2000 mAh, Li-ion battery - requires KSC-25/25L/256K charger	98.00
KSC-25L	100~240 volt rapid rate single unit charger for KNB-35L/40LC(V)/55L/57L Li-ion Battery	48.30
KSC-25	110 volt Rapid rate single unit charger for KNB-25A/26N/35L/40LC(V)/55L/56N/57L	62.00
KSC-30	110 volt Regular rate single unit charger for KNB-25A/26N/56N	31.50
KSC-256K	Rapid rate 6-Unit charger for KNB-25A/26N/35L/40LC(V)/55L/56N/57L	630.00
KMB-30M	Wall Mount Bracket for KSC-326K/256K	33.75
KMB-16	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/30 chargers (chargers not included)	173.00
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	191.00
KVC-3	Vehicular charger adapter for the KSC-15/17/19/25L/30 chargers (chargers not included)	63.00
KVC-4	Vehicular charger adapter for the KSC-16/18/20/24/25 chargers (chargers not included)	84.00

CARRYING ACCESSORIES		***LIST***
KLH-138	Heavy-Duty Leather Case w/Swivel Belt Loop for 160/170/173/360 (Non DTMF keypad)	49.00
KBH-12	Spring action belt clip	8.35
KBH-13DS	Leather swivel belt loop with portable D-Ring attachment	28.85
KWR-1	Water resistant bag	29.85

MICROPHONES & AUDIO ACCESSORIES		***LIST***
KMC-48GPS	GPS Speaker Microphone **[Intrinsically Safe Approval Accessory]**	265.00
KMC-45	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack) **[Intrinsically Safe Approval Accessory]**	86.00
KMC-21	Compact speaker microphone **[Intrinsically Safe Approval Accessory]**	51.50
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic **[Intrinsically Safe Approval Accessory]**	52.50
KHS-10-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Approval Accessory]**	368.00
KHS-10-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Approval Accessory]**	336.00
KHS-7	Single muff headset w/boom mic **[Intrinsically Safe Approval Accessory]**	70.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT **[Intrinsically Safe Approval Accessory]**	105.00
KHS-8BL	Two-Wire palm mic w/earphone (black)	103.25
KHS-9BL	Three-Wire lapel mic w/earphone (black)	166.00
KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band)	41.00
KHS-23	2-Wire Cell-style Earbud Clip/PTT Palm Mic (medium duty)	55.50
KHS-25	Headset w/ D-Ring Ear Hanger w/ PTT & Boom Mic	24.50
KHS-26	Clip Mic w/earphone	28.00
KHS-27	D-Ring Ear Hanger w/PTT & Mic	24.50
KHS-31	C-Ring Ear Hanger w/PTT & Mic	30.00

OPTION MODULES		***LIST***
KCT-57MS	Man-Down Internal Tilt Switch (Non-Mercury) **[Intrinsically Safe Approved Accessory]**- Must be Kenwood installed for I.S. Order **L-1679** for FleetSync® operations	22.00

SERVICE RELATED ACCESSORIES		***LIST***
KPG-128DNK	Windows® Programming Software for TK-2360/3360 (Compliant with FCC Part 90 Narrowbanding)	103.25
KPG-22UM	USB Programming interface cable	158.50

INSTALLATION / TUNING CHARGES		***LIST***
L-836	Assemble KMB-16 with six KSC-25/25L	15.00
L-961	Assemble KMB-23 with six KSC-24/25/25L/32 (Rapid Rate, 120 Volt versions only)	17.00
L-1678	TK-2360/3360 Programming (with basic TX/RX check)	37.50
L-1679	TK-2360/3360 Portable KCT-57MS Installation (for FleetSync®/MDC)	20.00
L-1716	Configure TK-2360/3360 for Intrinsically Safe **Must Order an I.S. Battery**	70.00

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TK-2312 / 3312

VHF/UHF Conventional Portable Radios

All 312 series portables include:
- Li-ion Battery (KNB-45L)
- Fast Charger (KSC-35SK)
- Antenna [KRA-26M (VHF)/27M (UHF)]
- Belt Clip (KBH-10)
- 2-PIN Connector Cap
- Instruction Manual
- Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

GENERAL FEATURES
- 5 W (136-174 MHz) Model
- 5 W (450-520, 400-470 MHz) Models
- Conventional Zones
- 128 Channels / 128 Zones
- Single Priority Scan
- Single & Multi-Zone Scan
- 8 Character Alphanumeric Aliases
- Backlit LCD
- Function / Status LCD Icons
- RSSI Indicator
- Transmit / Busy / Call Alert / Warn LED
- 4-Color LED (Blue/Red/Green/Orange)
- 7 Front Panel PF keys
- 2 Side PF Keys
- 500 mW Audio Power
- Enhanced Kenwood Audio
- Companded Audio (per CH)
- VOX Ready
- Voice Inversion Scrambler Built-in
- 16 Scrambler Codes (per CH)
- Emergency Call Features
- Lone Worker Alert
- QT / DQT
- Two-Tone Decode
- Single / Two-Tone Encode
- Operator Selectable Tone
- DTMF Encode / Decode
- FleetSync®/MDC-1200 (per Zone)
- Special Alert Tone Pattern
- Call Key
- Time Out Timer
- Busy Channel Lockout
- LCD Battery Status Indicator
- Low Battery Alert
- Battery Saver
- Windows® Programming & Tuning
- Wireless Cloning
- Password Protection
- MIL-STD-810 C/D/E/F/G
- IP-54/55 Water & Dust Intrusion

FleetSync®
- PTT ID Digital ANI
- Selective Call & Group Call
- Status Messaging
- Emergency Status
- Caller ID Display
- Short Text Messages
- Send GPS Data (KMC-48GPS)
- PTT ID & Emergency GPS Reporting
- Status Message Block GPS Reporting

MDC-1200
- PTT ID Digital ANI
- Caller ID Display
- Emergency Status
- Radio Check
- Radio Inhibit

RADIO		***LIST***
TK-2312K	136-174 MHz VHF 5W, 128 Ch. **[1]**	350.00
TK-3312K	450-520 MHz UHF 5W, 128 Ch. **[2]**	350.00
TK-3312K2	400-470 MHz UHF 5W, 128 Ch. **[2]**	350.00
	[1] Comes with KRA-26M 146-162 MHz antenna specify other if needed [2] Comes with KRA-27M 440-490 MHz antenna; specify other if needed	

ANTENNAS		***LIST***
KRA-16M	VHF stubby antenna 148-162 MHz	13.70
KRA-16M2	VHF stubby antenna 162-174 MHz	13.70
KRA-16M3	VHF stubby antenna 136-150 MHz	13.70
KRA-17M	UHF stubby antenna 450-490 MHz	13.70
KRA-17M2	UHF stubby antenna 470-512 MHz	13.70
KRA-17M3	UHF stubby antenna 403-430 MHz	13.70
KRA-22M	VHF Low-profile helical antenna 148-162 MHz	13.70
KRA-22M2	VHF Low -profile helical antenna 162-174 MHz	13.70
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	13.70
KRA-23M	UHF Low-profile helical antenna 450-490 MHz	13.70
KRA-23M2	UHF Low-profile helical antenna 470-512 MHz	13.70
KRA-23M3	UHF Low-profile helical antenna 403-430 MHz	13.70
KRA-26M	VHF helical antenna 146-162 MHz	14.00
KRA-26M2	VHF helical antenna 162-174 MHz	14.00
KRA-26M3	VHF helical antenna 136-150 MHz	14.00
KRA-27M	UHF whip antenna 440-490 MHz	14.00
KRA-27M2	UHF whip antenna 470-520 MHz	14.00
KRA-27M3	UHF whip antenna 400-450 MHz	14.00

BATTERIES AND CHARGERS		***LIST***
KNB-45L	2000 mAh, Li-ion battery - requires KSC-35K/E/SK charger	63.00
KNB-29N	1500 mAh, NiMH battery - requires KSC-31K/E charger	36.75
KSC-35SK	110~220 volt Fast rate single unit charger for KNB-45L Li-ion battery	31.50
KSC-31K	110 volt Fast rate single unit charger for KNB-29N	31.50
KMB-28	Six Unit Charger Adapter for the KSC-23BK/28/35SK chargers (chargers not included) **Note:** The six KSC-xx AC wall Adapters are NOT used in the KMB-28 installation A supplied in-line AC-DC switching power supply with six DC plugs supply the six installed KSC-xx charger bases. This unit is lower profile and less weight than similar Kenwood six unit charger adapters. Dimensions: 10.6(W) x 2.4(H) x 9.5(D) inches, Weight: approx. 10 lbs. (loaded with chargers/radios)	208.50
KVC-22	110~220 volt Fast rate DC vehicular charger adapter for KSC-35SK charger & KNB-45L Li-ion battery (charger not included)	36.70

CARRYING ACCESSORIES		***LIST***
KBH-10	Spring action belt clip	8.35
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	26.30
KLH-6SW	Leather swivel belt loop / detachable swivel D-Ring back	22.00
KLH-178	Heavy duty leather carrying case for TK-2312/3312	44.25
KWR-1	Water resistant bag	29.85

MICROPHONES & AUDIO ACCESSORIES		***LIST***
KMC-48GPS	GPS Speaker Microphone	265.00
KMC-45	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack)	86.00
KMC-21	Compact speaker microphone	51.50
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	52.50
KHS-10-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT	368.00
KHS-10-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT	336.00
KHS-7	Single muff headset w/boom mic	70.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT	105.00
KHS-8BL	Two-Wire palm mic w/earphone (black)	103.25
KHS-9BL	Three-Wire lapel mic w/earphone (black)	166.00
KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band)	41.00
KHS-23	2-Wire Cell-style Earbud Clip/PTT Palm Mic (medium duty)	55.50
KHS-25	Headset w/ D-Ring Ear Hanger w/ PTT & Boom Mic	24.50
KHS-26	Clip Mic w/earphone	28.00
KHS-27	D-Ring Ear Hanger w/PTT & Mic	24.50
KHS-31	C-Ring Ear Hanger w/PTT & Mic	30.00

SERVICE RELATED ACCESSORIES		***LIST***
KPG-22UM	USB Programming interface cable	158.50
KPG-134DNK	Windows® Programming Software for TK-2312/3312 (Compliant with FCC Part 90 Narrowbanding) **Note:** Self-programming function is not available.	103.25

INSTALLATION / TUNING CHARGES		***LIST***
L-1688	TK-2312/3312 Programming (with basic TX/RX check)	37.50

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TK-2400 / 3400

VHF/UHF Conventional Portable Radios

All 400 series portables include:
- Li-ion Battery (KNB-45L)
- Fast Charger (KSC-35SK)
- Antenna [KRA-26M(VHF)/27M(UHF)]
- Belt Clip (KBH-10)
- 2-PIN Connector Cap
- Instruction Manual
- Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

GENERAL FEATURES
- 2 W (136-174 MHz) VHF
- 2 W (450-520 MHz) UHF
- 4 & 16 Channel Models
- Single Priority / Normal Scan
- Transmit / Busy / Call Alert Scan / Warn LED
- 4-Color LED (Blue/Red/Green/Orange)
- 2 PF Keys
- 1.0 W Speaker Audio
- Enhanced Kenwood Audio
- Companded Audio (per CH)
- Voice Annunciation
- VOX Ready
- Voice Inversion Scrambler Built-in
- 16 Scrambler Codes (per CH)
- Emergency Call Features
- Lone Worker Alert (per CH)
- QT / DQT
- Two-Tone Decode
- Single / Two-Tone Encode
- DTMF Encode / Decode
- Special Alert Tone Pattern
- Time Out Timer
- Busy Channel Lockout
- Low Battery Warning
- Battery Saver
- Windows® Programming & Tuning
- Wireless Cloning
- Password Protection
- MIL-STD-810 C/D/E/F/G
- IP-54/55 Water & Dust Intrusion

FleetSync®
- PTT ID Digital ANI
- Selective Call & Group Call
- Paging Call
- Emergency Status
- Send GPS Data (KMC-48GPS)

MDC-1200
- PTT ID Digital ANI
- Emergency Status
- Radio Check
- Radio Inhibit

RADIO		***LIST***
TK-2400K	136-174 MHz VHF 2W, 4 Ch.	250.00
TK-2400K2	136-174 MHz VHF 2W, 16 Ch.	267.00
TK-3400K	450-520 MHz UHF 2W, 4 Ch.	267.00
TK-3400K2	450-520 MHz UHF 2W, 16 Ch.	284.00

ANTENNAS		***LIST***
KRA-41M	VHF stubby antenna 148-162 MHz	13.70
KRA-41M2	VHF stubby antenna 162-174 MHz	13.70
KRA-41M3	VHF stubby antenna 136-150 MHz	13.70
KRA-42M	UHF stubby antenna 440-490 MHz	13.70
KRA-42M2	UHF stubby antenna 470-520 MHz	13.70
KRA-22M	VHF low profile antenna 148-162 MHz	13.70
KRA-22M2	VHF low profile antenna 162-174 MHz	13.70
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	13.70
KRA-23M	UHF low profile antenna 450-490 MHz	13.70
KRA-23M2	UHF low profile antenna 470-520 MHz	13.70
KRA-26M	VHF helical antenna 146-162 MHz	14.00
KRA-26M2	VHF helical antenna 162-174 MHz	14.00
KRA-26M3	VHF helical antenna 136-150 MHz	14.00
KRA-27M	UHF whip antenna 440-490 MHz	14.00
KRA-27M2	UHF whip antenna 470-520 MHz	14.00

BATTERIES AND CHARGERS		***LIST***
KNB-45L	2000 mAh, Li-ion battery - requires KSC-35K/SK charger	63.00
KNB-69L	2550 mAh, Li-ion battery - requires KSC-35K/SK charger **[APR Available]**	75.00
KNB-29N	1500 mAh, NiMH battery - requires KSC-43K charger	36.75
KSC-35SK	110~220 volt Fast rate single unit charger for KNB-45L/69L	31.50
KSC-43K	110~220 volt Fast rate single unit charger for KNB-29N/45L/69L **[FEB Available]**	36.70

BATTERIES AND CHARGERS - CONT'D		***LIST***
KMB-28	Six Unit Charger Adapter for the KSC-23BK/28/35SK chargers (chargers not included) **Note:** The six KSC-xx AC wall Adapters are NOT used in the KMB-28 installation A supplied in-line AC-DC switching power supply with six DC plugs supply the six installed KSC-xx charger bases. This unit is lower profile and less weight than similar Kenwood six unit charger adapters. Dimensions: 10.6(W) x 2.4(H) x 9.5(D) inches, Weight: approx. 10 lbs. (loaded with chargers/radios)	208.50
KVC-22	110~220 volt Fast rate DC vehicular charger adapter for KSC-35SK charger & KNB-45L Li-ion battery (charger not included)	36.70

CARRYING ACCESSORIES		***LIST***
KBH-10	Spring action belt clip	8.35
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	26.30
KLH-6SW	Leather swivel belt loop / detachable swivel D-Ring back	22.00
KLH-187	Nylon case for TK-*200/*202/*300/*302/*400/*402 Series	14.70

MICROPHONES & AUDIO ACCESSORIES		***LIST***
KMC-48GPS	GPS Speaker Microphone	265.00
KMC-45	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack)	86.00
KMC-21	Compact speaker microphone	51.50
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	52.50
KHS-10-BH	Hvy-duty noise reduction behind-the-headset w/noise cancel boom mic /in-line PTT	368.00
KHS-10-OH	Hvy-duty noise reduction over-the-headset w/noise cancel boom mic /in-line PTT	336.00
KHS-7	Single muff headset w/boom mic	70.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT	105.00
KHS-8BL	Two-Wire palm mic w/earphone (black)	103.25
KHS-9BL	Three-Wire lapel mic w/earphone (black)	166.00
KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver	41.00
KHS-23	2-Wire Cell-style Earbud Clip/PTT Palm Mic (medium duty)	55.50
KHS-25	Headset w/ D-Ring Ear Hanger w/ PTT & Boom Mic	24.50
KHS-26	Clip Mic w/earphone	28.00
KHS-27	D-Ring Ear Hanger w/PTT & Mic	24.50
KHS-31	C-Ring Ear Hanger w/PTT & Mic	30.00

SERVICE RELATED ACCESSORIES		***LIST***
KPG-22UM	USB Programming interface cable	158.50
KPG-160DK	Windows® Programming Software for TK-2400/3400	103.25

INSTALLATION / TUNING CHARGES		***LIST***
L-1757	TK-2400/3400 Programming (with basic TX/RX check)	37.50

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ProTalk

TK-2400VP / 3400UP

VHF/UHF BRS Portable Radios

All 400P series portables include:
- Li-ion Battery (KNB-45L)
- Fast Charger (KSC-35SK)
- Antenna [KRA-26M(VHF)/27M(UHF)]
- Belt Clip (KBH-10)
- 2-PIN Connector Cap
- Instruction Manual
- Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

GENERAL FEATURES
- 2 W (151-159 MHz) VHF
- 2 W (451-470 MHz) UHF
- 4 & 16 Channel Models
- 90 UHF & 27 VHF

Pre-programmed Banked Frequencies
- Normal Scan
- Transmit / Busy / Call Alert / Scan / Warn LED
- 2 PF Keys
- Super Lock (Manager Key Lock)
- 1.0 W Speaker Audio
- Enhanced Kenwood Audio
- Companded Audio
- Voice Announcement
- Channel Confirmation Mode
- VOX Ready
- Voice Inversion Scrambler Built-in
- QT / DQT
- 10 Call Alerting Tones
- Time Out Timer
- Low Battery Warning
- Battery Saver
- Windows® Programming & Tuning
- Wireless Cloning
- Password Protection
- MIL-STD-810 C/D/E/F/G
- IP-54/55 Water & Dust Intrusion

RADIO		***LIST***
TK-2400V4P	151-159 MHz VHF 2W, 4 Ch.	247.00
TK-2400V16P	151-159 MHz VHF 2W, 16 Ch.	264.00
TK-3400U4P	451-470 MHz UHF 2W, 4 Ch.	264.00
TK-3400U16P	451-470 MHz UHF 2W, 16 Ch.	275.00

ANTENNAS		***LIST***
KRA-41M	VHF stubby antenna 148-162 MHz	13.70
KRA-42M	UHF stubby antenna 440-490 MHz	13.70
KRA-22M	VHF low profile antenna 148-162 MHz	13.70
KRA-23M	UHF low profile antenna 450-490 MHz	13.70
KRA-26M	VHF helical antenna 146-162 MHz	14.00
KRA-27M	UHF whip antenna 440-490 MHz	14.00

BATTERIES AND CHARGERS		***LIST***
KNB-45L	2000 mAh, Li-ion battery - requires KSC-35K/SK charger	63.00
KNB-69L	2550 mAh, Li-ion battery - requires KSC-35K/SK charger **[APR Available]**	75.00
KNB-29N	1500 mAh, NiMH battery - requires KSC-43K charger	36.75
KSC-35SK	110~220 volt Fast rate single unit charger for KNB-45L/69L	31.50
KSC-43K	110~220 volt Fast rate single unit charger for KNB-29N/45L/69L **[FEB Available]**	36.70
KMB-28	Six Unit Charger Adapter for the KSC-23BK/28/35SK chargers (chargers not included) **Note:** The six KSC-xx AC wall Adapters are NOT used in the KMB-28 installation A supplied in-line AC-DC switching power supply with six DC plugs supply the six installed KSC-xx charger bases. This unit is lower profile and less weight than similar Kenwood six unit charger adapters. Dimensions: 10.6(W) x 2.4(H) x 9.5(D) inches, Weight: approx. 10 lbs. (loaded with chargers/radios)	208.50
KVC-22	110~220 volt Fast rate DC vehicular charger adapter for KSC-35SK charger	36.70

CARRYING ACCESSORIES		***LIST***
KBH-10	Spring action belt clip	8.35
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	26.30
KLH-6SW	Leather swivel belt loop / detachable swivel D-Ring back	22.00
KLH-187	Nylon case for TK-*200/*202/*300/*302/*400/*402 Series	14.70

MICROPHONES & AUDIO ACCESSORIES		***LIST***
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	52.50
KHS-10-BH	Hvy-duty noise reduction behind-the-headset w/noise cancel boom mic /in-line PTT	368.00
KHS-10-OH	Hvy-duty noise reduction over-the-headset w/noise cancel boom mic /in-line PTT	336.00
KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear	41.00
KHS-23	2-Wire Cell-style Earbud Clip/PTT Palm Mic (medium duty)	55.50
KHS-25	Headset w/ D-Ring Ear Hanger w/ PTT & Boom Mic	24.50
KHS-26	Clip Mic w/earphone	28.00
KHS-27	D-Ring Ear Hanger w/PTT & Mic	24.50
KHS-31	C-Ring Ear Hanger w/PTT & Mic	30.00
KHS-7	Single muff headset w/boom mic	70.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT	105.00
KHS-8BL	Two-Wire palm mic w/earphone (black)	103.25
KHS-9BL	Three-Wire lapel mic w/earphone (black)	166.00
KMC-21	Compact speaker microphone	51.50
KMC-45	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack)	86.00

SERVICE RELATED ACCESSORIES		***LIST***
KPG-22UM	USB Programming interface cable	158.50
KPG-160DK	Windows® Programming Software for TK-2400/3400	103.25

-- NOTES --

* Please see Kenwood's ProTalk® MAP (Minimum Advertised Price) policy.

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TK-2402VK / 3402UK

VHF/UHF Conventional Portable Radios

All 402 series portables include:
- Li-ion Battery (KNB-45L)
- Fast Charger (KSC-35SK)
- Antenna [KRA-26M(VHF)/27M(UHF)]
- Belt Clip (KBH-10)
- 2-PIN Connector Cap
- Channel Stopper
- Instruction Manual
- Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

GENERAL FEATURES
- 5 W (136-174 MHz) VHF
- 5 W (450-520 MHz) UHF
- 16 Channels
- Single Priority / Normal Scan
- Transmit / Busy / Call Alert Scan / Warn LED
- 4-Color LED (Blue/Red/Green/Orange)
- 2 PF Keys
- 1.0 W Speaker Audio
- Enhanced Kenwood Audio
- Companded Audio (per CH)
- Voice Annunciation
- VOX Ready
- Voice Inversion Scrambler Built-in
- 16 Scrambler Codes (per CH)
- Emergency Call Features
- Lone Worker Alert (per CH)
- QT / DQT
- Two-Tone Decode
- Single / Two-Tone Encode
- DTMF Encode / Decode
- Special Alert Tone Pattern
- Time Out Timer
- Busy Channel Lockout
- Low Battery Warning
- Battery Saver
- Windows® Programming & Tuning
- Wireless Cloning
- Password Protection
- MIL-STD-810 C/D/E/F/G
- IP-54/55 Water & Dust Intrusion

FleetSync®
- PTT ID Digital ANI
- Selective Call & Group Call
- Paging Call
- Emergency Status
- Send GPS Data (KMC-48GPS)

MDC-1200
- PTT ID Digital ANI
- Emergency Status
- Radio Check
- Radio Inhibit

RADIO		***LIST***
TK-2402VK	136-174 MHz VHF 5W, 16 Ch.	284.00
TK-3402UK	450-520 MHz UHF 5W, 16 Ch.	300.00

ANTENNAS		***LIST***
KRA-41M	VHF stubby antenna 148-162 MHz	13.70
KRA-41M2	VHF stubby antenna 162-174 MHz	13.70
KRA-41M3	VHF stubby antenna 136-150 MHz	13.70
KRA-42M	UHF stubby antenna 440-490 MHz	13.70
KRA-42M2	UHF stubby antenna 470-520 MHz	13.70
KRA-22M	VHF low profile antenna 148-162 MHz	13.70
KRA-22M2	VHF low profile antenna 162-174 MHz	13.70
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	13.70
KRA-23M	UHF low profile antenna 450-490 MHz	13.70
KRA-23M2	UHF low profile antenna 470-520 MHz	13.70
KRA-26M	VHF helical antenna 146-162 MHz	14.00
KRA-26M2	VHF helical antenna 162-174 MHz	14.00
KRA-26M3	VHF helical antenna 136-150 MHz	14.00
KRA-27M	UHF whip antenna 440-490 MHz	14.00
KRA-27M2	UHF whip antenna 470-520 MHz	14.00

BATTERIES AND CHARGERS		***LIST***
KNB-45L	2000 mAh, Li-ion battery - requires KSC-35K/SK charger	63.00
KNB-69L	2550 mAh, Li-ion battery - requires KSC-35K/SK charger **[APR Available]**	75.00
KNB-29N	1500 mAh, NiMH battery - requires KSC-43K charger	36.75
KSC-35SK	110~220 volt Fast rate single unit charger for KNB-45L/69L	31.50
KSC-43K	110~220 volt Fast rate single unit charger for KNB-29N/45L/69L **[FEB Available]**	36.70

BATTERIES AND CHARGERS - CONT'D		***LIST***
KMB-28	Six Unit Charger Adapter for the KSC-23BK/28/35SK chargers (chargers not included) **Note:** The six KSC-xx AC wall Adapters are NOT used in the KMB-28 installation A supplied in-line AC-DC switching power supply with six DC plugs supply the six installed KSC-xx charger bases. This unit is lower profile and less weight than similar Kenwood six unit charger adapters. Dimensions: 10.6(W) x 2.4(H) x 9.5(D) inches, Weight: approx. 10 lbs. (loaded with chargers/radios)	208.50
KVC-22	110~220 volt Fast rate DC vehicular charger adapter for KSC-35SK charger & KNB-45L Li-ion battery (charger not included)	36.70

CARRYING ACCESSORIES		***LIST***
KBH-10	Spring action belt clip	8.35
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	26.30
KLH-6SW	Leather swivel belt loop / detachable swivel D-Ring back	22.00
KLH-187	Nylon case for TK-*200/*202/*300/*302/*400/*402 Series	14.70

MICROPHONES & AUDIO ACCESSORIES		***LIST***
KMC-48GPS	GPS Speaker Microphone	265.00
KMC-45	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack)	86.00
KMC-21	Compact speaker microphone	51.50
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	52.50
KHS-10-BH	Hvy-duty noise reduction behind-the-headset w/noise cancel boom mic /in-line PTT	368.00
KHS-10-OH	Hvy-duty noise reduction over-the-headset w/noise cancel boom mic /in-line PTT	336.00
KHS-7	Single muff headset w/boom mic	70.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT	105.00
KHS-8BL	Two-Wire palm mic w/earphone (black)	103.25
KHS-9BL	Three-Wire lapel mic w/earphone (black)	166.00
KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver	41.00
KHS-23	2-Wire Cell-style Earbud Clip/PTT Palm Mic (medium duty)	55.50
KHS-25	Headset w/ D-Ring Ear Hanger w/ PTT & Boom Mic	24.50
KHS-26	Clip Mic w/earphone	28.00
KHS-27	D-Ring Ear Hanger w/PTT & Mic	24.50
KHS-31	C-Ring Ear Hanger w/PTT & Mic	30.00

SERVICE RELATED ACCESSORIES		***LIST***
KPG-22UM	USB Programming interface cable	158.50
KPG-159DNK	Windows® Programming Software for TK-2402VK/3402UK (Compliant with FCC Part 90 Narrowbanding)	103.25

INSTALLATION / TUNING CHARGES		***LIST***
L-1756	TK-2402VK/3402UK Programming (with basic TX/RX check)	37.50

ProTalk

ProTalk® XLS TK-3230

UHF BRS Portable Radio

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XLS series portable includes:
- Spring action belt clip
- Rapid Rate Drop-in charger
- Fixed Antenna
- 2000 mAh Li-ion Battery
- Instruction Manual
- Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

GENERAL FEATURES
- UHF 1.5 Watt or 500 mW Transmit Power
- Extra Durable Polycarbonate Housing
- Small (2 1/16" W x 1 1/8" D x 4 1/16" H) & Lightweight (5.5 oz)
- Li-Ion battery with over 14 Hours Talk Time (5/5/90 duty cycle)
- Over 18 Hours Talk Time (with Battery Save On) 5/5/90 duty cycle
- 6 Channel Operation (factory pre-set)
- 64 User-Programmable Memory Bank Frequencies
- Channel Scan
- Wireless Cloning Mode
- Key Lock/Super Lock
- User Programmable QT (39) and DQT (83) Signaling
- 10 Call Alert Tones
- Voice Scrambler
- Speaker Mute Function
- Compander
- SelCall (for Caller ID)
- LCD Battery Meter & Low Battery Alert
- VOX (Voice-activated transmit) w/3 Sensitivity Levels
- Time Out Timer
- 2 Color Transmit / Busy LED/ Backlit LCD Display
- 3 Function Keys: Menu, Call, Monitor
- Audio Accessory Jack
- Antenna (fixed non-removable)
- Passes 8 Rugged Mil-Spec 810 C, D, E, F & G Standards

RADIO		***LIST***
TK-3230K	464-467 MHz UHF 1.5W or 500 mW, 6 Ch. Portable Transceiver	225.00

BATTERIES AND CHARGERS		***LIST***
KNB-46L	Li-Ion battery (Same as supplied with TK-3230)	47.25
KSC-37	Li-Ion Rapid rate charger (Same as supplied with TK-3230)	31.50
KMB-27	Six Unit Charger Adapter for the KSC-28/37 chargers (chargers not included) **Note:** The six KSC-xx AC wall Adapters are NOT used in the KMB-27 installation A supplied in-line AC-DC switching power supply with six DC plugs supply the six installed KSC-xx charger bases. This unit is lower profile and less weight than similar Kenwood six unit charger adapters. Dimensions: 10.6(W) x 2.4(H) x 9.5(D) inches, Weight: approx. 10 lbs. (loaded with chargers/radios)	208.50

CARRYING ACCESSORIES		***LIST***
KBH-14M	Spring action belt clip (Same as supplied with TK-3230)	9.35
KLH-150	Nylon case for TK-3230 (Black)	14.70

MICROPHONES & AUDIO ACCESSORIES		***LIST***
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	52.50
KHS-10-BH	Hvy-duty behind-the-headset w/noise cancelling boom mic & in-line PTT	368.00
KHS-10-OH	Hvy-duty over-the-headset w/noise cancelling boom mic & in-line PTT	336.00
KHS-7	Single muff headset w/boom mic	70.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT	105.00

MICROPHONES & AUDIO ACCESSORIES - CONT'D		***LIST***
KHS-8BL	Two-Wire palm mic w/earphone (black)	103.25
KHS-9BL	Three-Wire lapel mic w/earphone (black)	166.00
KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band)	41.00
KHS-23	2-Wire Cell-style Earbud Clip/PTT Palm Mic (medium duty)	55.50
KHS-25	Headset w/ D-Ring Ear Hanger w/ PTT & Boom Mic	24.50
KHS-26	Clip Mic w/earphone	28.00
KHS-27	D-Ring Ear Hanger w/PTT & Mic	24.50
KHS-31	C-Ring Ear Hanger w/PTT & Mic	30.00
KMC-45	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack)	86.00
KMC-21	Compact speaker microphone	51.50

INSTALLATION / TUNING CHARGES		***LIST***
L-1077	Change Channel to other frequencies or program TK-3230	25.00

-- NOTES --

* Please see Kenwood's ProTalk® MAP (Minimum Advertised Price) policy.

ProTalk® LT PKT-23

UHF BRS Portable Radio

Table of Contents

LT series portable includes:
- Spring action belt clip
- Drop-in charger
- Fixed Antenna
- 1430 mAh Li-ion Battery
- Instruction Manual
- Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

GENERAL FEATURES
- UHF 1.5 Watt or 500 mW Transmit Power
- Extra Durable Polycarbonate Housing
- Small (1.8" W x 0.8" D x 3.3 H) & Lightweight (3.9 oz)
- Li-Ion battery with over 11 Hours Talk Time (5/5/90 duty cycle)
- Over 15 Hours Talk Time (with Battery Save On) 5/5/90 duty cycle
- 4 Channel Operation (factory pre-set)
- 99 User-Programmable Memory Bank Frequencies
- Channel Scan
- Wireless Cloning Mode
- Key Lock/Super Lock
- User Programmable QT (39) and DQT (168) Signaling
- Bell Tone Alert
- Speaker Mute Function
- VOX (Voice-activated transmit) w/5 Sensitivity Levels
- Voice Announcement
- Time Out Timer
- LED Battery Status Indicator
- 2 Function Keys
- 1-PIN Audio Accessory Jack
- Micro USB Port
- Antenna (fixed non-removable)
- Passes IP54 & 11 Rugged Mil-Spec 810 C, D, E, F & G Standards

RADIO		***LIST***
PKT-23K	451-470 MHz UHF 1.5W or 500 mW, 4 Ch. Ultra Compact Portable	175.00

BATTERIES AND CHARGERS		***LIST***
KNB-71L	Li-Ion battery (Same as supplied with PKT-23K)	25.00
KSC-44K	Li-Ion Fast rate charger/AC Power Supply (Same as supplied with PKT-23K)	25.00
KMB-44K	Six Unit Charging Cup and Muli-AC Adapter (Charging Cups not included) Available late Jan '14	167.00

CARRYING ACCESSORIES		***LIST***
KBH-20M	Belt Clip (Same as supplied with PKT-23K & bulk PKT-23BKP)	9.35

MICROPHONES & AUDIO ACCESSORIES		***LIST***
KHS-33	Clip Mic w/earphone single pin (only compatible with PKT-23)	28.00
KHS-34	C-Ring Ear Hanger w/PTT & Mic single pin (only compatible with PKT-23) Available Jan '14	35.00

INSTALLATION / TUNING CHARGES		***LIST***
L-1773	Change channel to other frequencies or program PKT-23	25.00

-- NOTES --

* Please see Kenwood's ProTalk® MAP (Minimum Advertised Price) policy.

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TK-690 / 790 / 890

VHF/UHF FM Mobile Radios

All 90 BKseries mobiles include:
• RF Deck Only
(Configuration Set & Assembly Labor Code must be order for a Complete Mobile.)
• Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

Important Information
(TK-890; UHF)

* The lowest receive channel spread range is the factory default tuning if not otherwise specified. Refer to the table (right); order L-850 (no charge) and specify receive spread at the time of ordering. Out of range orders cannot be accepted.

* TX Power is derated at 470-480 MHz for TK-890HBK:
- 450-469 MHz (100 W)
- 470-480 MHz (75 W)

GENERAL FEATURES
• 45W & 110W (148-174 MHz)
• 40W (450-490, 480-512 MHz)
• 100W-75W (450-480 MHz)
• 110W (29.7-37.0, 35.0-43.0, 39.0-50.0 MHz)
• 160 Channels
• Dual Priority Scan
• Single / Multi Group Scan
• QT / DQT
• Operator Selectable Tone
• Two-Tone Decode1
• DTMF Encode/ Decode / Stun
• Encryption / ANI Board Control
• Emergency Call Features
• Companded Audio
• Intercom
• Public Address
• Time Out Timer
• Busy Channel Lockout
• Ignition Sense
• Timed Power Off
• DB-25 Accessory Connector
• 7 Programmable AUX Inputs
• 6 Programmable AUX Outputs
• Windows® Programming & Tuning
• Windows® Firmware Uploading
• Panel Tuning
• Cloning
• MIL-STD-810 C/D/E/F/G
• MIL-Spec Noise-Cancel Mic (included)
• MIL-Spec 12-Key DTMF Mic Option

Model	RF Deck Freq. Range	RX Ch. Spread	TX Ch. Spread
TK-890BK/K	450-490	20 MHz	40 MHz
	Factory Default:	450-470	450-490
	Order L-850:	460-480	450-490
		470-490	450-490
TK-890BK2	480-512	20 MHz	32 Mhz
	Factory Default:	480-500	480-512
	Order L-850:	492-512	480-512
TK-890HBK	450-480	20 MHz	30 MHz
	Factory Default:	450-470	450-480
	Order L-850:	460-480	450-480

FleetSync®
• PTT ID Digital ANI
• Emergency Status

MOUNTING CONFIGURATIONS
• Dash Mount
• Single Head Remote Mount
• Dual Head Remote Mount
• Dual Band Remote Mount
• Dual Head / Dual Band Remote Mount

FRONT PANELS / CONTROL HEADS
• Backlit Dot Matrix LCD
• 3-Digit Sub-Display
• Function/Status LCD Icons
• Transmit LED
• Busy, Call Alert, Warn LED
• LCD Dimmer Control
• Power On/Off Switch
• Rotary Volume Knob
• Rotary Selector Knob
• Backlit Keys
• PF Key Label Inserts
• Microphone Jack
• MILSTD 810 512.X Driven Rain

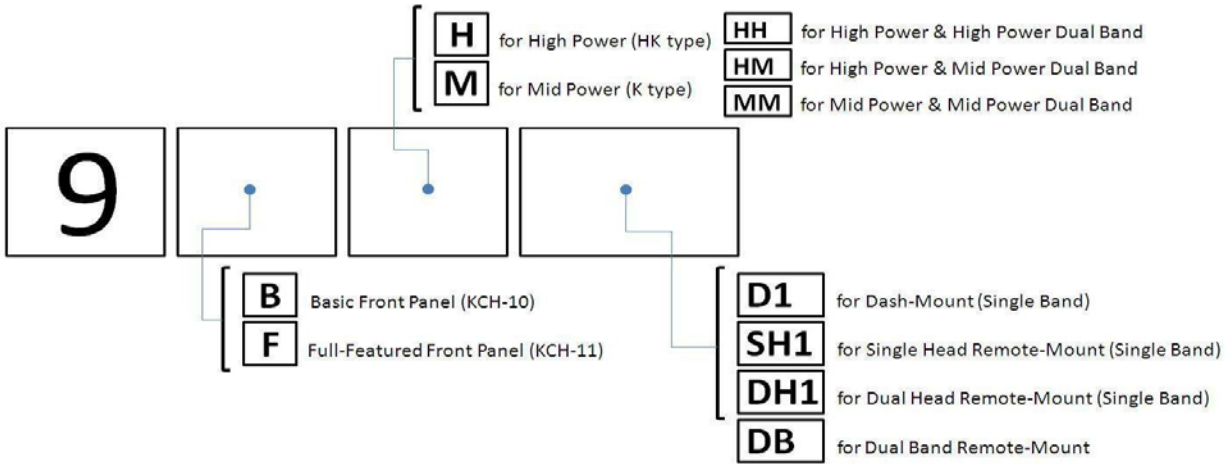
KCH-10 FRONT PANEL
• 8-Character Alphanumeric Aliases
• 5 PF Keys
• UP/DOWN Keys
• Built-in Front Speaker

KCH-11 FRONT PANEL
• 14-Character Alphanumeric Aliases
• 13 PF Keys
• UP/DOWN Keys
• External Speaker Required

MODEL		*LIST*
TK-690HBK	29.7-37.0 MHz, 110W, 160 Channels (R.F. DECK ONLY)	1,071.00
TK-690HBK2	35.0-43.0 MHz, 110W, 160 Channels (R.F. DECK ONLY)	1,071.00
TK-690HBK3	39.0-50.0 MHz, 110W, 160 Channels (R.F. DECK ONLY)	1,071.00
TK-790BK	148-174 MHz, 45W, 160 Channels (R.F. DECK ONLY)	767.00
TK-790HBK	148-174 MHz, 110W, 160 Channels (R.F. DECK ONLY)	1,239.00
TK-890BK	450-490 MHz, 40W, 160 Channels (R.F. DECK ONLY)	819.00
TK-890BK2	480-512 MHz, 40W, 160 Channels (R.F. DECK ONLY)	819.00
TK-890HBK	450-480 MHz, 100/75W, 160 Channels (R.F. DECK ONLY)	1,292.00

ACCESSORY CONFIGURATION SETS — *LIST*

CONFIGURATION SET DEFINITIONS



Note: All KCH-10 / Basic Control Head configurations are shipped with the control heads 4W internal speaker enabled. Order L-891 to enable the 13W external speaker output for KES-5 speaker use. This will disconnect the control heads internal 4W speaker !

Note: Order an Labor code for each model if factory packaging is required:
L-846 Package Dash/Single Head Remote*
L-847 Package Dual Head Remote
L-848 Package Dual Band Remote
L-849 Package Dual Band Dual Head Remote
(* TK-790K/890K are pre-packaged & fully assembled: basic front, medium power, dash mount mobiles. No need to use the assembly labor code L-846.)

Single Band Dash Mount		***LIST***
9BHD1	KCH-10, KCT-23M2, KMB-9, KMC-27	326.50
9BMD1	KCH-10, KCT-23M, KMB-5, KMC-27	296.50
9FHD1	KCH-11, KCT-23M2, KMB-9, KMC-27, KES-5	471.75
9FMD1	KCH-11, KCT-23M, KMB-5, KMC-27, KES-5	441.75

Single Band Single Head Remote Mount		***LIST***
9BHSH1	KCH-10, KRK-5, KCT-22M2, KCT-23M4, KMB-9, KMC-27	564.00
9BMSH1	KCH-10, KRK-5, KCT-22M2, KCT-23M3, KMB-5, KMC-27	530.75
9FHSH1	KCH-11, KRK-5, KCT-22M2, KCT-23M4, KMB-9, KMC-27, KES-5	709.25
9FMSH1	KCH-11, KRK-5, KCT-22M2, KCT-23M3, KMB-5, KMC-27, KES-5	676.00

Single Band Dual Head Remote Mount		***LIST***
9BHDH1	KCH-10(x2), KRK-6DH, KCT-22M2(x2), KCT-23M4, KMB-9, KMC-27(x2)	1,004.00
9BMDH1	KCH-10(x2), KRK-6DH, KCT-22M2(x2), KCT-23M3, KMB-5, KMC-27(x2)	970.75
9FHDH1	KCH-11(x2), KRK-6DH, KCT-22M2(x2), KCT-23M4, KMB-9, KMC-27(x2), KES-5(x2)	1,294.50
9FMDH1	KCH-11(x2), KRK-6DH, KCT-22M2(x2), KCT-23M3, KMB-5, KMC-27(x2), KES-5(x2)	1,261.25

Dual Band Single Head Remote Mount		***LIST***
9BHHDB	KCH-10, KRK-7DB, KMC-27, KCT-22M2, KCT-23M4(x2), KMB-9(x2)	761.50
9BHMDB	KCH-10, KRK-7DB, KMC-27, KCT-22M2, KCT-23M3, KCT-23M4, KMB-5, KMB-9	728.25
9BMMDB	KCH-10, KRK-7DB, KMC-27, KCT-22M2, KCT-23M3(x2), KMB-5(x2)	695.00
9FHHDB	KCH-11, KRK-7DB, KMC-27, KES-5, KCT-22M2, KCT-23M4(x2), KMB-9(x2)	906.75
9FHMDB	KCH-11, KRK-7DB, KMC-27, KES-5, KCT-22M2, KCT-23M3/KCT-23M4, KMB-5/KMB-9	873.50
9FMMDB	KCH-11 KRK-7DB, KMC-27, KES-5, KCT-22M2, KCT-23M3(x2), KMB-5(x2)	840.25

Dual Band Dual Head Remote Mount		***LIST***
9BBHH	KCH-10(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M4(x2), KMB-9(x2)	1,117.50
9BBHM	KCH-10(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M3, KCT-23M4, KMB-5, KMB-9	1,084.25
9BBMM	KCH-10(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M3(x2), KMB-5(x2)	1,051.00
9FFHH	KCH-11(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M4(x2), KMB-9(x2), KES-5(x2)	1,408.00
9FFHM	KCH-11(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M3, KCT-23M4, KMB-5, KMB-9, KES-5(x2)	1,374.75
9FFMM	KCH-11(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M3(x2), KMB-5(x2), KES-5(x2)	1,341.50

FRONT PANELS & REMOTE KITS (Order Configuration Sets for full install accessories)		***LIST***
KCH-10	Basic Control Panel	147.00
KCH-11	Full Featured Control Panel	231.00
KRK-5	Single Control Head Remote Mount Kit	147.00
KRK-6DH	Dual Control Head Remote Mount Kit	252.00
KRK-7DB	Dual Band Control Head Remote Mount Kit	262.50
KRK-8DBH	Dual Band Dual Head Remote Mount Kit	283.50

CABLES		***LIST***
KCT-18	Ignition sense cable	13.70
KCT-22M	Control cable - 8 Feet	73.50
KCT-22M2	Control cable - 17 Feet (Standard accessory config. set cable)	84.00
KCT-22M3	Control cable (25 Feet)	94.50
KCT-23M	DC Cable (35/45W Dash mount)	31.50
KCT-23M2	DC Cable (75/110W Dash mount)	38.75
KCT-23M3	DC Cable (35/45W Remote mount)	34.75
KCT-23M4	DC Cable (75/110W Remote mount)	45.25

MOBILE INSTALLATION ACCESSORIES		***LIST***
KCK-6	Auxiliary Adapter for 90-Series Mobiles (For AUX A, B, & C) **Features**: 90-Series AUX A, B, & C Inputs, 3 AUX 1 Amp Relay Outputs, D-Sub 25 90-Series Accessory Connector Parallel Feed Through Supplied Items: Instruction Sheet (1pc.), KCK-6 (1pc.), Insulated Spade Lugs [0.250 female fully insulated, 16-14 wire range] (8pcs.) ***Hardware that may be required but NOT supplied - two 3/16" mounting screws, male-to-female DB-25 straight through serial cable, & wire peripheral.** **Caution**: KCK-6 Relays are rated at 1A maximum. Do Not Exceed. The KCK-6 is not intended to directly drive siren and light packages. The siren/light package manufacturers recommended high amperage relay units and directions should be followed.	138.25
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max)	42.00
KMB-10	Key Lock Adapter for use with KMB-4/5/6	26.30
KMB-5	Medium Power Mounting Bracket (35W/45W models)	14.00
KMB-9	Heavy Duty Mounting Bracket with built-in key lock	36.75

MICROPHONES AND SPEAKERS		***LIST***
KES-5	External Speaker (40W max input)	61.25
KMC-27	Rugged standard microphone with noise canceling, MIL-STD and driven rain features	104.00
KMC-28	DTMF microphone (MIL-SPEC, Noise canceling)	163.00
KMC-9B	Desk top microphone	96.50

SERVICE RELATED ACCESSORIES		***LIST***
KPG-43UM	USB Programming interface cable	158.50
KPG-44DNK	Windows® Programming Software for TK-690/790/890 (Compliant with FCC Part 90 Narrowbanding)	68.50
**********	**Contact Kenwood Parts for Price and Availability 800-367-7514 on the following:**	
K29-5276-03	Key Inserts for 90-series mobile (AN, D/A, DIM, HA, HC, IC, MON, OPT, OST, PA)	---
K29-5277-03	Key Inserts for 90-series mobile (RCL, RPT, SCN, SP, SPM, SQ, TA, <up arrow>, <down arrow>)	---
K29-5305-03	Key Inserts for 90-series mobile (CH1, CH2, CH3, CH4, CH5, AUXA, AUXB, AUXC, EMG, ORG)	---
S76-0434-05	1 Amp Relay for 90-series mobile	---

INSTALLATION / TUNING CHARGES		***LIST***
L-846	Package Dash/Single Head Remote for 90-series mobiles	17.00
L-847	Package Dual Head Remote for 90-series mobiles	34.00
L-848	Package Dual Band Remote for 90-series mobiles	34.00
L-849	Package Dual Band Dual Head Remote for 90-series mobiles	50.00
L-850	Tune TK-890 receiver channel spread (20 MHz max.); specify receive spread	N/C
L-854	90 Mobile Programming (with basic TX/RX check)	30.00
L-858	Modify 90-series mobile Single Band (Single Head) Mobile for Pyramid Vehicular Repeater	75.00
L-859	Modify 90-series mobile Single Band (Dual Head) Mobile for Pyramid Vehicular Repeater	75.00
L-861	Install Horn Alert output relay for 90-series mobiles (1 amp max.) --- Part #S76-0407-05 Relay incl.	70.00
L-862	Install Key Inserts for 90-series mobiles **Note**: For new radio tune orders only. Installs only the included KCH-10/11 key inserts. Must specify keys and placement (see Service Manuals for placement diagram, pg. 14). Also, see Service Manuals for technical details (pg. 14). Other Key Inserts are available from Parts Dept. See the "Service Related Accessories" section of the 90-series mobiles pricepages for more information.	15.00
L-864	KCT-22A Extended Control Head Cable (up to 50 ft. max.) **Note**: Please specify exact length at 1ft. increments when ordering. **Caution**: Extended control head cables exhibit a loss in speaker audio power to the control heads. For either type control head (KCH-10/11), it is recommended that the 13W audio output modification be implemented to drive extended cable runs and a KES-5 external speaker be used. Refer to the service manual pg. 15-17 for 13W modifications. Installing new radio firmware (hex files) via the KPG-44D software nor checking the firmware "checksum" is not possible through an extended control head cable. A standard KCT-22 cable of 25 ft. or less should be used when this has to be done. Normal KPG-44D radio parameter programming is possible at extended lengths	190.00
L-865	KCT-22A Extended Control Head Cable (up to 100 ft. max.) **Note**: Please specify exact length at 1ft. increments when ordering. **Caution**: Extended control head cables exhibit a loss in speaker audio power to the control heads. For either type control head (KCH-10/11), it is recommended that the 13W audio output modification be implemented to drive extended cable runs and a KES-5 external speaker be used. Refer to the service manual pg. 15-17 for 13W modifications. Installing new radio firmware (hex files) via the KPG-44D software nor checking the firmware "checksum" is not possible through an extended control head cable. A standard KCT-22 cable of 25 ft. or less should be used when this has to be done. Normal KPG-44D radio parameter programming is possible at extended lengths	245.00
L-866	KCT-23A-K2 Two Conductor 75/110W High Power DC Cable (2 Conductor: 1x23 ft. positive, 1x23 ft. negative; AWG #10) **Note**: This cable substitutes for the ff: DC Cables: --> KCT-23M2 75/110W Dash Mount DC Cable: 4 Conductor: 2x10 ft. positive, 2x10 ft. negative --> KCT-23M4 75/110W Remote Mount DC Cable: 4 Conductor: 2x23 ft. positive, 2x23 ft. negative	75.00
L-867	Jumper foil for SB to pin 14 of accessory connector for 90-series mobile (Ref. 90-Series Mobile Service Manual, page 17/18)	25.00
L-870	Simultaneous transpond and alert feature up-grade for 90-series mobiles & portables	50.00
L-883	Modify 90-series mobile for KCT-18	25.00
L-891	External speaker modification for 90-series mobile Control Head (13W)	10.00
L-903	R640 mic input modification for 90-series mobile	17.00
L-910	Install firmware 094F (90-series mobile * and # DTMF without PTT) **Note**: The firmware 094F gives the 90-series mobile the ability to generate a DTMF tone from the * and # keys without pushing the PTT button.	17.00

INSTALLATION / TUNING CHARGES - CONT'D		***LIST***
L-912	90-Series mobile low imp. mic. Input at RF deck	10.00
L-917	EXT PTT / Local KMC-27 mic disable **Purpose**: Disables the KMC-27 mobile hand mic element when 90-series mobile external PTT is active. For use with data modems, GPS AVL data units, headset systems (motorcycles, ambulance, fire engines), vehicle intercom	17.00
L-921	Modify 90-series mobile Dual Band (Single Head) for Pyramid Vehicular Repeater	75.00
L-922	Modify 90-series mobile Dual Band (Dual Head) for Pyramid Vehicular Repeater	75.00

NX-700 / 800

NEXEDGE® VHF/UHF Digital & FM Analog Mobile Radios

Table of Contents

All NX series mobiles include:
- Standard Microphone (KMC-35)
- Mounting Bracket
- DC Cable (KCT-23M)
- Blade Fuse
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

* TX Power is derated at 490-512 MHz

NX-800K: 450-489 MHz (30 W)
490-512 MHz (25 W)
NX-800HK: 450-489 MHz (45 W)
490-512 MHz (40 W)

GENERAL FEATURES
- 30W / 50W (136-174 MHz) Models
- 30W / 45W (400-470, 450-520 MHz) Models
- 512 CH-GID / 128 Zones
- Dash & Remote Mount
- 14 Character Alphanumeric Aliases
- Backlit Dot Matrix LCD
- Function/Status LCD Icons
- Multi-Language Display
- Date & 12/24 Hour Time Clock
- Transmit/Busy/Call Alert/Warn LED
- On/Off Power Control
- 4 Up/Down Selectors
- 6 Front PF Keys
- Emergency/AUX Key
- 4W Speaker Audio
- DB-25 Accessory Connector
- 9 Programmable AUX I/Os
- 2 Programmable AUX Outputs
- KPG-111D Windows® FPU
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- IP-54/55 Water & Dust Intrusion
- PC Serial Interface
- SDM Manual Input
- Transparent Data Mode
- GPS Receiver Option
- VGS-1 Voice Guide / Voice & GPS Data Storage Option

DIGITAL – GENERAL
- NXDN® Digital Air Interface
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming
- Paging Call
- Emergency Call
- All Group Call
- Status Messaging
- Remote Stun/Kill/Check
- Short & Long Data Messages
- GPS Location with Voice
- NXDN® Scrambler Included
- DES Encryption Module Option
- AES & DES Encryption Module Option
- AES/DES Software Key Loader Option

DIGITAL CONVENTIONAL MODE
- 64 Radio Access Numbers (RAN)
- Individual & Group Selective Call
- Mixed FM/Digital Operation
- Conventional IP Networks
- Site Roaming

DIGITAL TRUNKING MODE
- Individual Private Call
- Group Call & Broadcast Call
- Telephone Interconnect
- Transmission Trunked Mode
- Message Trunked Mode
- Call Queuing with Priority
- Late Entry (UID & GID)
- 4 Priority Monitor ID's
- Remote Group Add
- Failsoft Mode

MULTI-SITE IP NETWORKS COMPATIBLE
- Individual Private Call
- Group Call & Broadcast Call
- Transmission Trunked Mode

MULTI-SYSTEM COMPATIBLE
- 8 Trunked Networks per radio (each in a zone)
- UID Lists for each network

SCAN
- Single Zone / Multi-Zone / List Scan
- Dual Priority Scan (Conventional)

ANALOG MODES - GENERAL
- 25 & 12.5 kHz Channels
- Conventional & LTR® Zones
- FleetSync®/II, MDC-1200, DTMF
- QT / DQT & Two-Tone (Conventional Zones Only)
- Voice Inversion Scrambler
- Analog Scrambler Board Capability

MPT ZONES (option)
- Single-Site Trunking
- Multi-Site Network Trunking
- 8 Network Capacity
- Network Roaming / Registration

FleetSync®/II (FM)
- PTT ID ANI / Caller ID
- Selective / Group Call
- Emergency, Status & Text Messages

MDC-1200
- PTT ID ANI / Caller ID
- Emergency, Radio Check & Inhibit

MODEL		*LIST*
NX-700K	136-174 MHz 30W, 512 CH / 128 Zone	725.00
NX-700HK	136-174 MHz 50W, 512 CH / 128 Zone	850.00
NX-800K	450-520 MHz 30W, 512 CH / 128 Zone	725.00
NX-800K2	400-470 MHz 30W, 512 CH / 128 Zone	725.00
NX-800HK	450-520 MHz 45W, 512 CH / 128 Zone	850.00
NX-800HK2	400-470 MHz 45W, 512 CH / 128 Zone	850.00

MOBILE INSTALLATION ACCESSORIES		***LIST***
KAP-2	Horn Alert/P.A. Relay Option	63.00
KCT-46	Ignition sense cable (plugs directly into mobile chassis ignition sense line)	13.70
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	42.00
KMB-10	Key lock adapter	26.30
KRK-10	Remote Control Kit (a remote control cable (23 ft) is included)	105.00
KRK-13	Dual Control Head Kit (a control head, remote cables, and KMC-35 microphone included) **Note:** some operations have limitations. Please refer to Application Note avlb. on Kenwood Tools. **Order: L-1776 if installation is required.**	959.00
KCT-23M	DC Cable (35-50W Dash mount; pos/neg. 10 ft. leads)	31.50
KCT-23M3	DC Cable (35-50W Remote mount; pos.23 ft.; neg. 3.3. ft. leads)	34.75

CONTROL STATION INSTALLATION ACCESSORIES		***LIST***
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	86.00
KMB-24	Control Station Mounting Case for KPS-15 Power Supplies (mobile mounting hardware included)	42.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	173.00

MICROPHONES AND SPEAKERS		***LIST***
KMC-35	MIL-SPEC Standard electret mobile microphone (8-pin mod. plug) - same as supplied	52.50
KMC-36	MIL-SPEC Standard electret mobile microphone with 12 keypad (8-pin mod. plug)	94.50
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	86.00
KES-3	External speaker (compact low profile; black case; 3.5 mm phono plug-in)	44.25
KES-5	External speaker, 40W max input **Note:** requires KAP-2 (PA/HA unit) installed	61.25

FIRMWARE OPTIONS		***LIST***
KWD-P25C	P25 Flash upgrade; NX-200/300/700/800 Must order **L-1663** **Note**: KWD-P25C will be Kenwood factory installed only (units must be returned for upgrade)	792.00

SOFTWARE OPTIONS		***LIST***
KPG-150AP	NEXEDGE OTAP Manager Windows Software. • License Includes 10 radios / 1 Serial Port* • To add more radios/serial ports, you must contact Kenwood Systems Division [1-800-TRUNKING]	550.00
KPG-151AE	AES/DES Encryption Software Key Loader for KWD-DE21K/KWD-AE21K KPG-151AE is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A) **- See IMPORTANT NOTES -**	525.00

OPTION MODULES		***LIST***
KWD-AE20K	AES FIPS140-2 & DES Encryption Module for TK-5*10/5*20 & NX-*00/*10 Portables & Mobiles **Order L-1720** if installation is required. KWD-AE20K requires: a Motorola KVL3000 Plus key loader device. KWD-AE20K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) **- See IMPORTANT NOTES -**	998.00
KWD-AE21K	AES & DES Encryption Module for TK-5*10/5*20 & NX-*00/*10 Portables & Mobiles **Order L-1721** if installation is required. **Note**: Requires KPG-151AE software key loader or Motorola KVL3000 Plus key loader device. KWD-AE21K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) **- See IMPORTANT NOTES -**	998.00
KWD-DE21K	DES Encryption Module for TK-5*10/5*20 & NX-*00/*10 Portables & Mobiles **Order L-1722** if installation is required **Note**: Requires KPG-151AE software key loader or Motorola KVL3000 Plus key loader device KWD-DE21K is a U.S. DOC/BIS Export Controlled Item (ECCN 5A992A) **- See IMPORTANT NOTES -**	578.00
VGS-1	Voice Guide and Storage Unit	87.50

FleetSync® & NEXEDGE® AVL & MESSAGING		***LIST***
GA25MCX	Garmin On-dash Style Magnetic base GPS Antenna for GPS15XL-W **Note:** shipped loose only; Install GA25MCX antenna to GPS15XL-W before vehicle install; Refer to 180/NX-Series In-depth Technical Manuals for mobile installation.	62.00
GPS15XL-W	Garmin Internal GPS Receiver Board for FleetSync® & NEXEDGE® AVL **Note**: • Conventional & LTR operation • NEXEDGE® Conventional & Trunking operation • Requires GA25 MCX GPS antenna • Refer to 180/NX-Series & KGS-3/KAS-10 In-Depth Technical Manuals for installation, programming & KGS-3/KAS-10 software setup. Refer to www.garmin.com for GPS-15L-W technical specifications. • Option: Order **L-1098** for Kenwood Long Beach installation	130.25
KAS-10	FleetSync® & NEXEDGE® AVL & Messaging Software with NEXEDGE Trunking VoIP Dispatch **Note:** Users can chose to operate Messaging, AVL or VoIP or all three if desired. Compatible with Windows® XP, VISTA & 7 and Microsoft®MapPoint®2006/2009/2010 (certain format bitmap images can be imported). Refer to KAS-10 product spec sheets and manuals for detials.	434.00
KGS-3	FleetSync® & NEXEDGE® AVL & Messaging Software (Windows® 2000/XP compatible), **Note:** AVL operation /use is not required. Compatible with Microsoft®MapPoint®2004/2006 Software or certain type imported maps (purchase aftermarket separately) Refer to KGS-3 spec sheet for detailed features & requirements.	347.00

NEXEDGE® Wireless Image System		***LIST***
KAS-11	NEXEDGE® Image Viewer Software (Windows® XP/VISTA/7 compatible), **Note:** • Wireless Image System Base Station Operation. • Works with NX-700/800 6.25/12.5Khz Digital mode, Radio to Radio, via Conventional Repeater, Trunking Repeater and Conventional IP Network. • Refer to Wireless Image Basic Operation and Installation Guide for detailed features & requirements.	250.00
KVT-11	NEXEDGE® Image Encoder Unit **Note:** • Wireless Image System Monitor Station Operation. • KAS-11 is required for programming. • Not include Cameras (purchase aftermarket separately). • Works with NX-700/800 6.25/12.5Khz Digital mode, Radio to Radio, via Conventional Repeater, Trunking Repeater and Conventional IP Network. • Refer to Wireless Image Basic Operation and Installation Guide for detailed features & requirements.	575.00
L-1687	NX-700/800 Flow Control Modification	60.00

SERVICE RELATED ACCESSORIES		***LIST***
KPG-46UM	USB Programming interface cable	158.50
KPG-111DNK	Windows® Programming Software for NX-200/210/300/410/411/700/800/900/901 (Compliant with FCC Part 90 Narrowbanding)	103.25
KPG-163DNK	Programming software for NX-200/300/700/800 with PassPort®/NEXEDGE® Options Installed (12.5 /6.25 CH bandwidths only) • Programs NEXEDGE, PassPort®, LTR & analog Conventional modes. • Not for use on a standard NEXEDGE radios • **KPG-111D(N) Must be installed in PC prior to installing KPG-163DNK.**	165.00
PGM-NX-PP	PassPort ESN Generator device for NX-200/300/700/800 **Note: PGM-NX-PP is stocked in minimum quantities. Please anticipate a minimum of 30 day lead time and call order desk to verify availability.** • The TK-x180 PassPort ESN Generator device is NOT compatible for NX-x00 ESN loads. • The PGM-NX-PP requires older KPG-36AM (portable) & KPG-46AM (mobile) radio program interface cables with serial DB9 and an aftermarket DB9F-to-DB25M adapter ("KPG-XXUM" USB style cables are not compatible).	200.00

INSTALLATION / TUNING CHARGES		***LIST***
L-1085	NX-700/800 Programming (with basic TX/RX check)	37.50
L-1087	Install VGS-1 Voice Guide & Storage Unit **Note:** VGS-1 installation precludes any ANI or encryption board installation	25.00
L-1094	Install KAP-2 (Default) HR1/Internal Sp./PA	25.00
L-1098	Install Garmin GPS15XL-W in NX-Series mobile for FleetSync® AVL	100.00
L-1099	Assemble NX-700/800/900/901 with KRK-10 Remote Kit	42.00
L-1663	NX-700/800 P25 Conventional Software Upgrade **Must order a KWD-P25C firmware option**	N/C
L-1720	Install KWD-AE20K in NX-700/800/900/901 Mobiles (Must purchase module separately)	75.00
L-1721	Install KWD-AE21K in NX-700/800/900/901 Mobiles (Must purchase module separately)	75.00
L-1722	Install KWD-DE21K in NX-700/800/900/901 Mobiles (Must purchase module separately)	75.00
L-1743	Install PassPort®-Classic / NEXEDGE option in NX- 200/300/700/800 • Order one per radio • KPG-163DNK required to program radio	80.00
L-1744	Install PassPort®-Enhanced / NEXEDGE Option in NX- 200/300/700/800 • Order one per radio • KPG-163DNK required to program radio	108.35
L-1745	Field Retrofit PassPort®-Classic / NEXEDGE option for NX-200/300/700/800 (order one option per the number of ESNs required) • ESN activation file with ordered number of ESNs and firmware will be shipped on a CD ROM. Allow 15 business days ARO. • KPG-163DNK required to program radio • **Requires PGM-NX-PP PassPort ESN Generator device** • Note: The TK-x180 PassPort ESN Generator device is NOT compatible for NX-x00 ESN loads.	80.00
L-1746	Field Retrofit PassPort®-Enhanced / NEXEDGE Option for NX-200/300/700/800 orders (order option one per the number of ESNs required) • ESN activation file with ordered number of ESNs and firmware will be shipped on a CD ROM. Allow 15 business days ARO. • KPG-163DNK required to program radio • **Requires PGM-NX-PP PassPort ESN Generator device** • Note: The TK-x180 PassPort ESN Generator device is NOT compatible for NX-x00 ESN loads.	108.35
L-1776	Assemble NX-700/800/900/901 with KRK-13 Dual Remote Kit	42.00

MPT FIRMWARE/ACCESSORIES/TUNING		***LIST***
KPG-143DNK	Windows® Programming Software for NX series MPT (Compliant with FCC Part 90 Narrowbanding) (Dealer Level License ID included) **Note**: Must order **L-1727** for Network Level License ID & programming privileges	103.25
KWD-NX10MPT	MPT Trunking Field Upgrade Kit for NX series radio Must order **L-1729** **Note:** Not compatible with any other firmware options. Radio does not retain LTR trunking features once the MPT option is installed.	66.70
L-1726	Install MPT option in NX series radio	25.00
L-1727	Network Level License ID for KPG-143D(N) NX series Programmer	158.33
L-1728	Retrofit Install of MPT option in NX seires radio For previously purchased NX series radios. Order L-1728 through LMR order desk/rep. Ship radios to attn: Kenwood LMR Tuning, Long Beach for installation. Include Kenwood order number for L-1728 provided by order desk & copy of company P.O. or P.O. number. **Note:** see NX series MPT Introduction Sales Bulletin for details	85.00
L-1729	NX Series Radio MPT Firmware FIELD-UPGRADE (Must purchase KWD-NX10MPT separately)	NC

-- IMPORTANT NOTES --
Encryption modules, key loaders and radios containing encryption are export controlled by the U.S. Department of Commerce Bureau of Industry & Security EAR regulations and may either require an Export License, are eligible for a License Exception (ENC) or are exportable with No License Required (NLR) depending on the country, the consignee and the intended use. High level encryption is a special commodity that may require an export license to most countries. See www.bis.gov for more information regarding export regulations. DO NOT SHIP encryption items outside the U.S. without proper DOC/BIS Export Licenses and/or compliances.

Kenwood may request the following information to be submitted at time of order (this information must meet Kenwood internal approvals prior to shipment even if being returned to Kenwood later:

a) Initial Destination: Initial delivery point if different from Ultimate Destination
(customer distribution center, headquarters, dealership, manufacturer's representative)
* Business/Agency Name:
* Address:
* Contact Person Name:
* Contact Phone:
b) Ultimate Destination: Final delivery point(s); deployment/distribution
* Business/Agency Name:
* Address:
* Contact Person Name:
* Contact Phone:
c) Intended Use of Radios: Law enforcement, security, operations, etc.

KWD-AE20 AES FIPS140-2 SCM , NIST Validation & Customer Shipping
A secure delivery method direct to the end user customer is required by the NIST AES FIPS 140-2 validation rules. For U.S. Federal Government entities the SCM must ship from Kenwood USA Corporation directly to the end user customer by a trusted carrier (FEDEX, UPS or a designated Kenwood USA Corporation employee); shipping/handling by a dealer or other entity is not acceptable. This may or may not be required by local/state government agencies or business/industrial users. Please check with the end use customer about their AES encryption handling requirements before ordering. Kenwood will not be responsible for shipments of KWD-AE20K modules to erroneous destinations specified on an order.

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NX-720HGK / 820HGK

NEXEDGE® VHF/UHF Digital & FM Analog Mobile Radios

All NX-x20 series mobiles include:
- Standard Microphone (KMC-35)
- Mounting Bracket
- DC Cable (KCT-23M)
- 15A Fuse
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

GENERAL FEATURES
- 50W (136-174 MHz) Model
- 45W (400-470, 450-520 MHz) Models
- 260 CH-GID / 128 Zones
- 10 Character Alphanumeric Aliases
- Backlit LCD & Keys
- Function/Status LCD Icons
- Transmit/Busy/Call Alert/Warn LED
- Blue Function/Status LED
- On/Off Power Control
- 4 Up/Down Selectors
- 6 Front PF Keys
- Emergency/AUX Key
- 4W Speaker Audio
- Zone / CH Number Voice Announcement
- DB-15 Accessory Connector
- 6 Programmable AUX I/Os
- KPG-141D Windows® FPU
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- IP-54 Water & Dust Intrusion
- PC Serial Interface
- SDM Manual Input
- Transparent Data Mode
- Built-in GPS Receiver

DIGITAL COMMON
- NXDN® Digital Air Interface
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming2
- Paging Call
- Emergency Call
- All Group Call
- Status Messaging
- Remote Stun/Kill/Check
- Short & Long Data Messages
- GPS Location with Voice
- NXDN® Scrambler Included

DIGITAL CONVENTIONAL MODE
- 64 Radio Access Numbers (RAN)
- Individual & Group Selective Call
- Mixed FM/Digital Operation
- Conventional IP Networks
- Site Roaming

DIGITAL TRUNKED MODE
- Individual Private Call
- Group Call & Broadcast Call
- Telephone Interconnect
- Transmission Trunked Mode
- Message Trunked Mode
- Call Queuing with Priority
- Late Entry (UID & GID)
- 4 Priority Monitor ID's
- Remote Group Add
- Failsoft Mode

MULTI-SITE IP NETWORKS COMPATIBLE
- 60,000 GIDs / UIDs
- Wide Area Group Call
- Auto Roaming Registration
- Group Registration

MULTI-SYSTEM COMPATIBLE
- 8 Trunked Networks per radio (each in a zone)
- UID Lists for each network

SCAN
- Single Zone / Multi-Zone / List Scan
- Dual Priority Scan (Conventional)

ANALOG MODE - GENERAL
- 12.5 kHz Channels
- Conventional & LTR® Zones
- FleetSync®/II, MDC-1200, DTMF
- QT / DQT & Two-Tone (Conventional Zones Only)
- Voice Inversion Scrambler (16 Codes)

MPT ZONES (option)
- Single-Site Trunking
- Multi-Site Network Trunking
- 8 Network Capacity
- Network Roaming / Registration

FleetSync® /II (FM)
- PTT ID ANI / Caller ID
- Selective / Group Call
- Emergency, Status & Text Messages

MDC-1200
- PTT ID ANI / Caller ID
- Emergency, Radio Check & Inhibit

MODEL		*LIST*
NX-720HGK	136-174 MHz 50W, 260 CH / 128 Zone	684.00
NX-820HGK	450-520 MHz 45W, 260 CH / 128 Zone	684.00
NX-820HGK2	400-470 MHz 45W, 260 CH / 128 Zone	684.00

MOBILE INSTALLATION ACCESSORIES		*LIST*
KCT-60M	DB15-to-15pin Molex Adapter Cable	29.00
KCT-18	Ignition sense cable (requires KCT-60M Acc. Cable Option)	13.70
KCT-36	Extension Cable for KCT-34/35/39/40M/60M; 117.6 inches (9.8 ft)	43.75
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	42.00
KMB-10	Key lock adapter	26.30

CONTROL STATION INSTALLATION ACCESSORIES		***LIST***
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	86.00
KMB-24	Control Station Mounting Case for KPS-15 Power Supplies (mobile mounting hardware included)	42.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	173.00

MICROPHONES AND SPEAKERS		***LIST***
KMC-35	MIL-SPEC Standard electret mobile microphone (8-pin mod. plug) - same as supplied	52.50
KMC-36	MIL-SPEC Standard electret mobile microphone with 12-key DTMF (8-pin mod. plug)	94.50
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	86.00
KES-3	External speaker (compact low profile; black case; 3.5 mm phono plug-in)	44.25
KES-5	External speaker, 40W max input **Note:** requires KCT-60M installed	61.25

SOFTWARE OPTIONS		***LIST***
KPG-150AP	NEXEDGE OTAP Manager Windows Software. • License Includes 10 radios / 1 Serial Port* • To add more radios/serial ports, you must contact Kenwood Systems Division [1-800-TRUNKING]	550.00

FleetSync® & NEXEDGE® AVL & MESSAGING		***LIST***
KAS-10	FleetSync® & NEXEDGE® AVL & Messaging Software with NEXEDGE Trunking VoIP Dispatch **Note:** Users can chose to operate Messaging, AVL or VoIP or all three if desired. Compatible with Windows® XP, VISTA & 7 and Microsoft®MapPoint®2006/2009/2010 (certain format bitmap images can be imported). Refer to KAS-10 product spec sheets and manuals for detials.	434.00
KGS-3	FleetSync® & NEXEDGE® AVL & Messaging Software (Windows® 2000/XP compatible), **Note:** AVL operation /use is not required. Compatible with Microsoft®MapPoint®2004/2006 Software or certain type imported maps (purchase aftermarket separately) Refer to KGS-3 spec sheet for detailed features & requirements.	347.00
KRA-40GM	GPS Antenna	42.00

SERVICE RELATED ACCESSORIES		***LIST***
KPG-46UM	USB Programming interface cable	158.50
KPG-141DNK	Windows® Programming Software for NX-220/320/720/820 (Compliant with FCC Part 90 Narrowbanding)	103.25

INSTALLATION / TUNING CHARGES		***LIST***
L-1751	NX-720HG/820HG Programming (with basic TX/RX check)	37.50

MPT FIRMWARE/ACCESSORIES/TUNING		*LIST*
KPG-143DNK	Windows® Programming Software for NX series MPT (Compliant with FCC Part 90 Narrowbanding) (Dealer Level License ID included) **Note**: Must order **L-1727** for Network Level License ID & programming privileges	103.25
KWD-NX10MPT	MPT Trunking Field Upgrade Kit for NX series radio Must order **L-1729** **Note:** Not compatible with any other firmware options. Radio does not retain LTR trunking features once the MPT option is installed.	66.70
L-1726	Install MPT option in NX series radio	25.00
L-1727	Network Level License ID for KPG-143D(N) NX series Programmer	158.33
L-1728	Retrofit Install of MPT option in NX seires radio For previously purchased NX series radios. Order L-1728 through LMR order desk/rep. Ship radios to attn: Kenwood LMR Tuning, Long Beach for installation. Include Kenwood order number for L-1728 provided by order desk & copy of company P.O. or P.O. number. **Note:** see NX series MPT Introduction Sales Bulletin for details	85.00
L-1729	NX Series Radio MPT Firmware FIELD-UPGRADE (Must purchase KWD-NX10MPT separately)	NC

-- IMPORTANT NOTES --

Encryption modules, key loaders and radios containing encryption are export controlled by the U.S. Department of Commerce Bureau of Industry & Security EAR regulations and may either require an Export License, are eligible for a License Exception (ENC) or are exportable with No License Required (NLR) depending on the country, the consignee and the intended use. High level encryption is a special commodity that may require an export license to most countries. See www.bis.gov for more information regarding export regulations. DO NOT SHIP encryption items outside the U.S. without proper DOC/BIS Export Licenses and/or compliances.

Kenwood may request the following information to be submitted at time of order (this information must meet Kenwood internal approvals prior to shipment even if being returned to Kenwood later:

a) Initial Destination: Initial delivery point if different from Ultimate Destination
(customer distribution center, headquarters, dealership, manufacturer's representative)
* Business/Agency Name:
* Address:
* Contact Person Name:
* Contact Phone:
b) Ultimate Destination: Final delivery point(s); deployment/distribution
* Business/Agency Name:
* Address:
* Contact Person Name:
* Contact Phone:
c) Intended Use of Radios: Law enforcement, security, operations, etc.

KWD-AE20 AES FIPS140-2 SCM , NIST Validation & Customer Shipping
A secure delivery method direct to the end user customer is required by the NIST AES FIPS 140-2 validation rules. For U.S. Federal Government entities the SCM must ship from Kenwood USA Corporation directly to the end user customer by a trusted carrier (FEDEX, UPS or a designated Kenwood USA Corporation employee); shipping/handling by a dealer or other entity is not acceptable. This may or may not be required by local/state government agencies or business/industrial users. Please check with the end use customer about their AES encryption handling requirements before ordering. Kenwood will not be responsible for shipments of KWD-AE20K modules to erroneous destinations specified on an order.

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NX-740HV / 840HU

NEXEDGE® VHF/UHF Digital & FM Analog Mobile Radios

All NX-x40 series mobiles include:
- Standard Microphone (KMC-35)
- Mounting Bracket
- DC Cable (KCT-23M)
- 15A Fuse
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

GENERAL FEATURES
- 50 W (136-174 MHz) Model
- 45 W (450-520 MHz) Model
- Max. 16 CH per Zone
- 2 Conventional Zones
- 2-Digit LED Channel Display
- Function/Status LED Dots
- Backlit Keys
- Transmit /Busy / Call Alert LED
- Blue Function/Status LED
- 9 Programmable Function Keys
- Emergency / AUX Key
- 4W Speaker Audio
- Voice CH# Announcement
- DB15 Accessory Interface
- 8 Programmable I/O Ports
- KPG-175D Windows® FPU
- MIL-STD-810 C/D/E/F
- IP-54 Water & Dust Intrusion
- PC Serial Interface

DIGITAL COMMON
- NXDN® Digital Air Interface
- AMBE+2™ VOCODER
- 6.25 kHz Channels
- Over-the-Air Alias (TX Only)
- Paging Call
- Emergency Call
- All Group Call
- Status Messaging
- Remote Stun/Kill
- Remote Check
- NXDN® Scrambler Included

DIGITAL CONVENTIONAL MODE
- 64 Radio Access Numbers (RAN)
- Individual & Group Selective Call
- Conventional IP Networks
- Site Roaming

SCAN
- Single Zone Scan
- Single Priority Scan

ANALOG MODE - GENERAL
- 12.5 kHz Channels
- Conventional Zones
- FleetSync®, MDC-1200, DTMF
- QT/DQT/Two-Tone
- Voice Inversion Scrambler (16 Codes)

FleetSync®
- PTT ID ANI
- Selective / Group Call
- Emergency Status

MDC-1200
- PTT ID ANI
- Emergency, Radio Check & Inhibit

MODEL		***LIST***
NX-740HVK	136-174 MHz VHF 50W, 16 Ch / 2 Zones	484.00
NX-840HUK	450-520 MHz UHF 45W, 16 Ch / 2 Zones	484.00

MOBILE INSTALLATION ACCESSORIES		***LIST***
KCT-60M	DB15-to-15pin Molex Adapter Cable	29.00
KCT-18	Ignition sense cable (requires KCT-60M Acc. Cable Option)	13.70
KCT-36	Extension Cable for KCT-34/35/39/40M/60M; 117.6 inches (9.8 ft)	43.75
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	42.00
KMB-10	Key lock adapter	26.30

CONTROL STATION INSTALLATION ACCESSORIES		***LIST***
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	86.00
KMB-24	Control Station Mounting Case for KPS-15 Power Supplies (mobile mounting hardware included)	42.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	173.00

MICROPHONES AND SPEAKERS		***LIST***
KMC-35	MIL-SPEC Standard electret mobile microphone (8-pin mod. plug)-same as supplied	52.50
KMC-36	MIL-SPEC Standard electret mobile microphone with 12-key DTMF (8-pin mod. plug)	94.50
KES-3	External speaker (compact low profile; black case; 3.5 mm phono plug-in)	44.25
KES-5	External speaker, 40W max input **Note:** requires KCT-60M installed	61.25

SERVICE RELATED ACCESSORIES		***LIST***
KPG-46UM	USB Programming interface cable	158.50
KPG-175DK	Windows® Programming Software for NX-740H/840H	103.25

INSTALLATION / TUNING CHARGES		***LIST***
L-1778	NX-740H/840H Programming (with basic TX/RX check)	37.50

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NX-900/901

NEXEDGE® 800/900 MHz Digital & FM Analog Mobile Radio

NX-900 mobile includes:
- Standard Microphone (KMC-35)
- Mounting Bracket
- DC Cable (KCT-23M)
- Blade Fuse
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

GENERAL FEATURES
- 15W (806-870 MHz) Model
- 15W (896-941 MHz) Model
- 512 CH-GID / 128 Zones
- Dash & Remote Mount
- 14 Character Alphanumeric Aliases
- Backlit Dot Matrix LCD
- Function/Status LCD Icons
- Multi-Language Display
- Date & 12/24 Hour Time Clock
- Transmit/Busy/Call Alert/Warn LED
- On/Off Power Control
- 4 Up/Down Selectors
- 6 Front PF Keys
- Emergency/AUX Key
- 4W Speaker Audio
- DB-25 Accessory Connector
- 9 Programmable AUX I/Os
- 2 Programmable AUX Outputs
- KPG-111D Windows® FPU
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- IP54/55 Water & Dust Intrusion
- PC Serial Interface
- SDM Manual Input
- Transparent Data Mode
- GPS Receiver Option
- VGS-1 Voice Guide / Voice & GPS Data Storage Option

DIGITAL – GENERAL
- NXDN® Digital Air Interface
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- Over-the- Air Alias
- Over-the- Air Programming
- Paging Call
- Emergency Call
- All Group Call
- Status Messaging
- Remote Stun/Kill
- Remote Check
- Short & Long Data Messages
- GPS Location with Voice
- NXDN® Scrambler Included
- DES Encryption Module Option
- AES & DES Encryption Module Option
- AES/DES Software Key Loader Option

DIGITAL CONVENTIONAL MODE
- 64 Radio Access Numbers (RAN)
- Individual & Group Selective Call
- Mixed FM/Digital Operation
- Conventional IP Networks
- Site Roaming

DIGITAL TRUNKING MODE
- Individual Private Call
- Group Call & Broadcast Call
- Telephone Interconnect
- Transmission Trunked Mode
- Message Trunked Mode
- Call Queuing with Priority
- Late Entry (UID & GID)
- 4 Priority Monitor ID's
- Remote Group Add
- Failsoft Mode

MULTI-SITE IP NETWORKS COMPATIBLE
- 60,000 GIDs / UIDs
- Wide Area Group Call
- Auto Roaming Registration
- Group Registration

MULTI-SYSTEM COMPATIBLE
- 8 Trunked Networks per radio (each in a zone)
- UID Lists for each network

SCAN
- Single Zone / Multi-Zone / List Scan
- Dual Priority Scan (Conventional)

ANALOG MODES - GENERAL
- 25** & 12.5 kHz Channels
- NPSPAC Channels**
- Conventional & LTR® Zones
- FleetSync®/II, MDC-1200, DTMF
- QT / DQT (Conventional Zones Only)
- Voice Inversion Scrambler
- Analog Scrambler Board Capability

MPT ZONES (option)
- Single-Site Trunking
- Multi-Site Network Trunking
- 8 Network Capacity
- Network Roaming / Registration

FleetSync®/II (FM)
- PTT ID ANI / Caller ID
- Selective / Group Call
- Emergency, Status & Text Messages

MDC-1200
- PTT ID ANI / Caller ID
- Emergency, Radio Check & Inhibit

** *800 MHz model only.*

MODEL		*LIST*
NX-900K	806-870 MHz 15W, 512 CH / 128 Zone	995.00
NX-901K	896-941 MHz 15W, 512 CH / 128 Zone	995.00

MOBILE INSTALLATION ACCESSORIES		*LIST*
KAP-2	Horn Alert/P.A. Relay Option	63.00
KCT-46	Ignition sense cable (plugs directly into mobile chassis ignition sense line)	13.70
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	42.00
KMB-10	Key lock adapter	26.30

MOBILE INSTALLATION ACCESSORIES (cont.)		***LIST***
KRK-10	Remote Control Kit (a remote control cable (23 ft) is included)	105.00
KRK-13	Dual Control Head Kit (a control head, remote cables, and KMC-35 microphone included) **Note:** some operations have limitations. Please refer to Application Note avlb. on Kenwood Tools. **Order: L-1776 if installation is required.**	959.00
KCT-23M	DC Cable (35-50W Dash mount; pos/neg. 10 ft. leads)	31.50
KCT-23M3	DC Cable (35-50W Remote mount; pos.23 ft.; neg. 3.3. ft. leads)	34.75

CONTROL STATION INSTALLATION ACCESSORIES		***LIST***
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	86.00
KMB-24	Control Station Mounting Case for KPS-15 Power Supplies (mobile mounting hardware included)	42.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	173.00

MICROPHONES AND SPEAKERS		***LIST***
KMC-35	MIL-SPEC Standard electret mobile microphone (8-pin mod. plug) - same as supplied	52.50
KMC-36	MIL-SPEC Standard electret mobile microphone with 12 keypad (8-pin mod. plug)	94.50
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	86.00
KES-3	External speaker (compact low profile; black case; 3.5 mm phono plug-in)	44.25
KES-5	External speaker, 40W max input **Note:** requires KAP-2 (PA/HA unit) installed	61.25

SOFTWARE OPTIONS		***LIST***
KPG-150AP	NEXEDGE OTAP Manager Windows Software. • License Includes 10 radios / 1 Serial Port* • To add more radios/serial ports, you must contact Kenwood Systems Division [1-800-TRUNKING]	550.00
KPG-151AE	AES/DES Encryption Software Key Loader for KWD-DE21K/KWD-AE21K KPG-151AE is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A) **- See IMPORTANT NOTES -**	525.00

OPTION MODULES		***LIST***
KWD-AE20K	AES FIPS140-2 & DES Encryption Module for TK-5*10/5*20 & NX-*00/*10 Portables & Mobiles **Order L-1720** if installation is required. KWD-AE20K requires: a Motorola KVL3000 Plus key loader device. KWD-AE20K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) **- See IMPORTANT NOTES -**	998.00
KWD-AE21K	AES & DES Encryption Module for TK-5*10/5*20 & NX-*00/*10 Portables & Mobiles **Order L-1721** if installation is required. **Note**: Requires KPG-151AE software key loader or Motorola KVL3000 Plus key loader device. KWD-AE21K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) **- See IMPORTANT NOTES -**	998.00
KWD-DE21K	DES Encryption Module for TK-5*10/5*20 & NX-*00/*10 Portables & Mobiles **Order L-1722** if installation is required **Note**: Requires KPG-151AE software key loader or Motorola KVL3000 Plus key loader device KWD-DE21K is a U.S. DOC/BIS Export Controlled Item (ECCN 5A992A) **- See IMPORTANT NOTES -**	578.00
VGS-1	Voice Guide and Storage Unit	87.50

FleetSync® & NEXEDGE® AVL & MESSAGING		***LIST***
GA25MCX	Garmin On-dash Style Magnetic base GPS Antenna for GPS15XL-W **Note:** shipped loose only; Install GA25MCX antenna to GPS15XL-W before vehicle install; Refer to 180/NX-Series In-depth Technical Manuals for mobile installation.	62.00
GPS15XL-W	Garmin Internal GPS Receiver Board for FleetSync® & NEXEDGE® AVL **Note**: • Conventional & LTR operation • NEXEDGE® Conventional & Trunking operation • Requires GA25 MCX GPS antenna • Refer to 180/NX-Series & KGS-3/KAS-10 In-Depth Technical Manuals for installation, programming & KGS-3/KAS-10 software setup. Refer to www.garmin.com for GPS-15L-W technical specifications. • Option: Order **L-1098** for Kenwood Long Beach installation	130.25
KAS-10	FleetSync® & NEXEDGE® AVL & Messaging Software with NEXEDGE Trunking VoIP Dispatch **Note:** Users can chose to operate Messaging, AVL or VoIP or all three if desired. Compatible with Windows® XP, VISTA & 7 and Microsoft®MapPoint®2006/2009/2010 (certain format bitmap images can be imported). Refer to KAS-10 product spec sheets and manuals for detials.	434.00
KGS-3	FleetSync® & NEXEDGE® AVL & Messaging Software (Windows® 2000/XP compatible), **Note:** AVL operation /use is not required. Compatible with Microsoft®MapPoint®2004/2006 Software or certain type imported maps (purchase aftermarket separately) Refer to KGS-3 spec sheet for detailed features & requirements.	347.00

NEXEDGE® Wireless Image System		***LIST***
KAS-11	NEXEDGE® Image Viewer Software (Windows® XP/VISTA/7 compatible), **Note:** • Wireless Image System Base Station Operation. • Works with NX-700/800 6.25/12.5Khz Digital mode, Radio to Radio, via Conventional Repeater, Trunking Repeater and Conventional IP Network. • Refer to Wireless Image Basic Operation and Installation Guide for detailed features & requirements.	250.00
KVT-11	NEXEDGE® Image Encoder Unit **Note:** • Wireless Image System Monitor Station Operation. • KAS-11 is required for programming. • Not include Cameras (purchase aftermarket separately). • Works with NX-700/800 6.25/12.5Khz Digital mode, Radio to Radio, via Conventional Repeater, Trunking Repeater and Conventional IP Network. • Refer to Wireless Image Basic Operation and Installation Guide for detailed features & requirements.	575.00
L-1687	NX-700/800 Flow Control Modification	60.00

SERVICE RELATED ACCESSORIES		***LIST***
KPG-111DNK	Windows® Programming Software for NX-200/210/300/410/411/700/800/900/901 (Compliant with FCC Part 90 Narrowbanding)	103.25
KPG-46UM	USB Programming interface cable	158.50

INSTALLATION / TUNING CHARGES		***LIST***
L-1087	Install VGS-1 Voice Guide & Storage Unit **Note:** VGS-1 installation precludes any ANI or encryption board installation	25.00
L-1094	Install KAP-2 (Default) HR1/Internal Sp./PA	25.00
L-1098	Install Garmin GPS15XL-W in NX-Series mobile for FleetSync® AVL	100.00
L-1099	Assemble NX-700/800/900/901 with KRK-10 Remote Kit	42.00
L-1687	NX-700/800/900/901 Flow Control Modification	60.00
L-1692	NX-900/901 Programming (with basic TX/RX check)	37.50
L-1720	Install KWD-AE20K in NX-700/800/900/901 Mobiles (Must purchase module separately)	75.00
L-1721	Install KWD-AE21K in NX-700/800/900/901 Mobiles (Must purchase module separately)	75.00
L-1722	Install KWD-DE21K in NX-700/800/900/901 Mobiles (Must purchase module separately)	75.00
L-1776	Assemble NX-700/800/900/901 with KRK-13 Dual Remote Kit	42.00

MPT FIRMWARE/ACCESSORIES/TUNING		***LIST***
KPG-143DNK	Windows® Programming Software for NX series MPT (Compliant with FCC Part 90 Narrowbanding) (Dealer Level License ID included) **Note**: Must order **L-1727** for Network Level License ID & programming privileges	103.25
KWD-NX10MPT	MPT Trunking Field Upgrade Kit for NX series radio Must order **L-1729** **Note:** Not compatible with any other firmware options. Radio does not retain LTR trunking features once the MPT option is installed.	66.70
L-1726	Install MPT option in NX series radio	25.00
L-1727	Network Level License ID for KPG-143D(N) NX series Programmer	158.33
L-1728	Retrofit Install of MPT option in NX seires radio For previously purchased NX series radios. Order L-1728 through LMR order desk/rep. Ship radios to attn: Kenwood LMR Tuning, Long Beach for installation. Include Kenwood order number for L-1728 provided by order desk & copy of company P.O. or P.O. number. **Note:** see NX series MPT Introduction Sales Bulletin for details	85.00
L-1729	NX Series Radio MPT Firmware FIELD-UPGRADE (Must purchase KWD-NX10MPT separately)	NC

-- IMPORTANT NOTES --

Encryption modules, key loaders and radios containing encryption are export controlled by the U.S. Department of Commerce Bureau of Industry & Security EAR regulations and may either require an Export License, are eligible for a License Exception (ENC) or are exportable with No License Required (NLR) depending on the country, the consignee and the intended use. High level encryption is a special commodity that may require an export license to most countries. See www.bis.gov for more information regarding export regulations. DO NOT SHIP encryption items outside the U.S. without proper DOC/BIS Export Licenses and/or compliances.

Kenwood may request the following information to be submitted at time of order (this information must meet Kenwood internal approvals prior to shipment even if being returned to Kenwood later:

a) Initial Destination: Initial delivery point if different from Ultimate Destination
(customer distribution center, headquarters, dealership, manufacturer's representative)
* Business/Agency Name:
* Address:
* Contact Person Name:
* Contact Phone:

b) Ultimate Destination: Final delivery point(s); deployment/distribution
* Business/Agency Name:
* Address:
* Contact Person Name:
* Contact Phone:

c) Intended Use of Radios: Law enforcement, security, operations, etc.

KWD-AE20 AES FIPS140-2 SCM , NIST Validation & Customer Shipping

A secure delivery method direct to the end user customer is required by the NIST AES FIPS 140-2 validation rules. For U.S. Federal Government entities the SCM must ship from Kenwood USA Corporation directly to the end user customer by a trusted carrier (FEDEX, UPS or a designated Kenwood USA Corporation employee); shipping/handling by a dealer or other entity is not acceptable. This may or may not be required by local/state government agencies or business/industrial users. Please check with the end use customer about their AES encryption handling requirements before ordering. Kenwood will not be responsible for shipments of KWD-AE20K modules to erroneous destinations specified on an order.

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NX-920G

NEXEDGE® 800 MHz Digital & FM Analog Mobile Radios

All NX-x20 series mobiles include:
- Standard Microphone (KMC-35)
- Mounting Bracket
- DC Cable (KCT-23M)
- 15A Fuse
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

GENERAL FEATURES
- 15W (806-870 MHz) Model
- 260 CH-GID / 128 Zones
- 10 Character Alphanumeric Aliases
- Backlit LCD & Keys
- Function/Status LCD Icons
- Transmit/Busy/Call Alert/Warn LED
- Blue Function/Status LED
- On/Off Power Control
- 4 Up/Down Selectors
- 6 Front PF Keys
- Emergency/AUX Key
- 4W Speaker Audio
- Zone / CH Number Voice Announcement
- DB-15 Accessory Connector
- 6 Programmable AUX I/Os
- KPG-141D Windows® FPU
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- IP-54 Water & Dust Intrusion
- PC Serial Interface
- SDM Manual Input
- Transparent Data Mode
- Built-in GPS Receiver

DIGITAL GENERAL
- NXDN® Digital Air Interface
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming
- Paging Call
- Emergency Call
- All Group Call
- Status Messaging
- Remote Stun/Kill
- Remote Check
- Short & Long Data Messages
- GPS Location with Voice
- NXDN® Scrambler Included

DIGITAL CONVENTIONAL MODE
- 64 Radio Access Numbers (RAN)
- Individual & Group Selective Call
- Mixed FM/Digital Operation
- Conventional IP Networks
- Site Roaming

DIGITAL TRUNKING MODE
- Individual Private Call
- Group Call & Broadcast Call
- Telephone Interconnect
- Transmission Trunked Mode
- Message Trunked Mode
- Call Queuing with Priority
- Late Entry (UID & GID)
- 4 Priority Monitor ID's
- Remote Group Add
- Failsoft Mode

MULTI-SITE IP NETWORKS COMPATIBLE
- 60,000 GIDs / UIDs
- Wide Area Group Call
- Auto Roaming Registration
- Group Registration

MULTI-SYSTEM COMPATIBLE
- 8 Trunked Networks
- UID Lists for each network

SCAN
- Single Zone / Multi-Zone / List Scan
- Dual Priority Scan (Conventional)

FM MODES - GENERAL
- 25 & 12.5 kHz Channels
- NPSPAC Channels
- Conventional & LTR® or MPT Zones
- FleetSync®/II, MDC-1200, DTMF
- QT / DQT (Conventional Zones Only)
- Voice Inversion Scrambler (16 Codes)

MPT ZONES*
- Single-Site Trunking
- Multi-Site Network Trunking
- 8 Network Capacity
- Network Roaming / Registration

FleetSync®/II (FM)
- PTT ID ANI / Caller ID
- Selective / Group Call
- Emergency, Status & Text Messages

MDC-1200
- PTT ID ANI / Caller ID
- Emergency, Radio Check & Inhibit

* Optional feature

MODEL		*LIST*
NX-920GK	806-870 MHz 15W, 260 CH / 128 Zone	862.00

MOBILE INSTALLATION ACCESSORIES		*LIST*
KCT-18	Ignition sense cable (requires KCT-60M Acc. Cable Option)	13.70
KCT-36	Extension Cable for KCT-34/35/39/40M/60M; 117.6 inches (9.8 ft)	43.75
KCT-60M	DB15-to-15pin Molex Adapter Cable	29.00
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	42.00
KMB-10	Key lock adapter	26.30

CONTROL STATION INSTALLATION ACCESSORIES		***LIST***
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	86.00
KMB-24	Control Station Mounting Case for KPS-15 Power Supplies (mobile mounting hardware included)	42.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	173.00

MICROPHONES AND SPEAKERS		***LIST***
KMC-35	MIL-SPEC Standard electret mobile microphone (8-pin mod. plug) - same as supplied	52.50
KMC-36	MIL-SPEC Standard electret mobile microphone with 12-key DTMF (8-pin mod. plug)	94.50
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	86.00
KES-3	External speaker (compact low profile; black case; 3.5 mm phono plug-in)	44.25
KES-5	External speaker, 40W max input **Note:** requires KCT-60M installed	61.25

SOFTWARE OPTIONS		***LIST***
KPG-150AP	NEXEDGE OTAP Manager Windows Software. • License Includes 10 radios / 1 Serial Port* • To add more radios/serial ports, you must contact Kenwood Systems Division [1-800-TRUNKING]	550.00

FleetSync® & NEXEDGE® AVL & MESSAGING		***LIST***
KAS-10	FleetSync® & NEXEDGE® AVL & Messaging Software with NEXEDGE Trunking VoIP Dispatch **Note:** Users can chose to operate Messaging, AVL or VoIP or all three if desired. Compatible with Windows® XP, VISTA & 7 and Microsoft®MapPoint®2006/2009/2010 (certain format bitmap images can be imported). Refer to KAS-10 product spec sheets and manuals for detials.	434.00
KGS-3	FleetSync® & NEXEDGE® AVL & Messaging Software (Windows® 2000/XP compatible), **Note:** AVL operation /use is not required. Compatible with Microsoft®MapPoint®2004/2006 Software or certain type imported maps (purchase aftermarket separately) Refer to KGS-3 spec sheet for detailed features & requirements.	347.00
KRA-40GM	GPS Antenna	42.00

SERVICE RELATED ACCESSORIES		***LIST***
KPG-141DNK	Windows® Programming Software for NX-220/320/420/720/820/920 (Compliant with FCC Part 90 Narrowbanding)	103.25
KPG-46UM	USB Programming interface cable	158.50

INSTALLATION / TUNING CHARGES		***LIST***
L-1727	Network Level License ID for KPG-143D(N) NX series Programmer	158.33
L-1751	NX-720HG/820HG/920G Programming (with basic TX/RX check)	37.50

MPT FIRMWARE/ACCESSORIES/TUNING		***LIST***
KPG-143DNK	Windows® Programming Software for NX series MPT (Compliant with FCC Part 90 Narrowbanding) (Dealer Level License ID included) **Note**: Must order **L-1727** for Network Level License ID & programming privileges	103.25
KWD-NX10MPT	MPT Trunking Field Upgrade Kit for NX series radio Must order **L-1729** **Note:** Refer to NX series MPT Price Pages. Not compatible with any other firmware options. Radio does not retain LTR trunking features once the MPT option is installed.	66.70
L-1726	Install MPT option in NX series radio	25.00
L-1728	Retrofit Install of MPT option in NX seires radio For previously purchased NX series radios. Order L-1728 through LMR order desk/rep. Ship radios to attn: Kenwood LMR Tuning, Long Beach for installation. Include Kenwood order number for L-1728 provided by order desk & copy of company P.O. or P.O. number. **Note:** see NX series MPT Introduction Sales Bulletin for details	85.00
L-1729	NX Series Radio MPT Firmware FIELD-UPGRADE (Must purchase KWD-NX10MPT separately)	NC

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TK-7180 / 8180

VHF/UHF Trunking & Conventional Mobile Radios

All 180 series mobiles include:
- Standard Microphone (KMC-35)
- Mounting Bracket
- DC Cable (KCT-23M)
- Blade Fuse
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

* TX Power is derated at 490-512 MHz

TK-8180K: 450-489 MHz (30 W)
490-512 MHz (25 W)
TK-8180HK: 450-489 MHz (45 W)
490-512 MHz (40 W)

GENERAL FEATURES
- 30/50 W (136-174 MHz)
- 30/45 W (450-520*, 400-470 MHz)
- Conventional & LTR® Zones
- MPT1327 Trunking Option
- Remote Control Head Option
- 12 Character Alphanumeric Aliases
- Backlit Dot Matrix LCD
- 3-Digit Sub-Display
- Function / Status LCD Icons
- RSSI Indicator
- Date & 12/24 Hour Time Clock
- Transmit / Busy / Call Alert / Warn LED
- 6 Backlit PF Keys
- Emergency / AUX Key
- Enhanced Kenwood Audio
- Front Panel Speaker
- Companded Audio
- Voice Inversion Scrambler Built-in
- Easy Option Port
- Encryption / ANI Board Control
- VGS-1 Voice Guide / Storage Option
- Emergency Call Features
- DTMF Encode / Decode
- Special Alert Tone Patterns
- Call Key
- Time Out Timer
- Busy Channel Lockout
- Timed Power Off
- DB-25 Accessory Connenctor
- 9 Programmable AUX I/Os
- 2 Programmable AUX Outputs
- Ignition Sense
- Public Address / Horn Alert Option
- MIL-Spec Standard Mic
- MIL-Spec 12-Key DTMF Mic Option
- Windows® Programming & Tuning
- Windows® Firmware Uploading
- Front Panel Test / Tune
- Cloning
- MIL-STD-810 C/D/E/F/G
- MIL-STD "Driven-Rain"
- IP-54/55 Water & Dust Intrusion

CONVENTIONAL ZONES
- 512 Channels / 128 Zones
- QT / DQT
- Two-Tone Decode
- Single / Two-Tone Encode
- Operator Selectable Tone
- Dual Priority Scan
- Single & Multi-Zone Scan
- List Scan

TRUNKED ZONES
- 512 GID / 128 Zones
- Kenwood LTR® Features

FleetSync®
- FleetSync® or FleetSync® II
- PTT ID Digital ANI
- Selective Call & Group Call
- Status Messaging
- Emergency Status
- Caller ID Display
- Short & Long Text Messages
- Power On/Off Status Messages
- Input / Output Status Messages
- FleetSync® GPS Ready
- Send GPS PF Key
- PTT ID & Emergency GPS Reporting
- Status Message Block GPS Reporting
- Ignition On/Off GPS Reporting
- VGS-1 GPS Data Storage
- PC Serial Interface

MPT ZONES (option)
- Single-Site Trunking
- Multi-Site Network Trunking
- 8 Network Capacity
- Network Roaming / Registration

MDC-1200
- PTT ID Digital ANI
- Caller ID Display
- Emergency Status
- Radio Check
- Radio Inhibit

MODEL		*LIST*
TK-7180K	136-174 MHz 30W, 512 CH / 128 Zone CONV-& LTR	586.00
TK-7180HK	136-174 MHz 50W, 512 CH / 128 Zone CONV-& LTR	718.00
TK-8180K	450-520 MHz 30W, 512 CH / 128 Zone CONV-& LTR	604.00
TK-8180HK	450-520 MHz 45W, 512 CH / 128 Zone CONV-& LTR	735.00
TK-8180K2	400-470 MHz 30W, 512 CH / 128 Zone CONV-& LTR	604.00
TK-8180HK2	400-470 MHz 45W, 512 CH / 128 Zone CONV-& LTR	735.00

MOBILE INSTALLATION ACCESSORIES		*LIST*
KAP-2	Horn Alert/P.A. Relay Option **Note**: For MPT, HA operates in Trunked Mode only	63.00
KCT-46	Ignition sense cable (plugs directly into mobile chassis ignition sense line)	13.70
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	42.00
KMB-10	Key lock adapter	26.30
KRK-10	Remote Control Kit (a remote control cable (23 ft) is included)	105.00

CONTROL STATION INSTALLATION ACCESSORIES		***LIST***
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	86.00
KMB-24	Control Station Mounting Case for KPS-15 Power Supplies (mobile mounting hardware included)	42.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	173.00

MICROPHONES AND SPEAKERS		***LIST***
KMC-35	MIL-SPEC Standard electret mobile microphone (8-pin mod. plug) - same as supplied	52.50
KMC-36	MIL-SPEC Standard electret mobile microphone with 12 keypad (8-pin mod. plug)	94.50
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	86.00
KES-3	External speaker (compact low profile; black case; 3.5 mm phono plug-in)	44.25
KES-5	External speaker, 40W max input **Note:** requires KAP-2 (PA/HA unit) installed	61.25

FleetSync® MOBILE DATA TERMINAL — *LIST*

KDS-100 Data Terminal includes:
- Mounting bracket
- Mounting hardware
- DC Cable

KDS-100 FEATURES
- Increases FleetSync® Message Viewing: 40 Character x 6 line Dot Matix LCD
  - View 5 line Message List x 23 Char. @ line (vs. 1 line Message x 16 Char. scrolling)
  - View Short Text Messages (48 Char.) at once (vs. 48 Char. scrolling)
  - View Long Text Message (1024 Char.) at once (vs. not available)
- Increases FleetSync® ID Capacity: 511 IDs (vs. 100 IDs)
  - Base stations can handle larger size fleets
- Increases Status Message List Capacity: 89 Messages (vs. 50 Msgs.)
  - More dispatcher-to-fleet type messages for different job tasks
  - More fleet-to-dispatcher type messages for responses/statuses
- Increased Status Message Stack Memory: 367 Messages (vs. 9 Msg.s)
- Increased Short Text Message Stack Memory: 367 Messages (vs. 4 Msg.s)
- Litium Cell Memory Backup Battery (vs. radio-only volatile message memory)
- Large Backlit LCD & Function Keys
- Simple Installation
- Windows® Compatible Programming Software
- Programming Password Protection
- Built-in FleetSync® DSP Modem
- Real-Time Clock/Message Time Stamping
- 10 Status Message 'Hot Keys'
- Message Sorting & Deletion Screens
- Message Temporary Recycle Bin
- New Message Tone and LED Alerts
- Buzzer Volume Level
- Flashrom Firmeware Memory

Important Note:
1. KDS-100 Compatible Dispatch Software May Be Required - The KDS-100 used a fleet unit will decode Status Messages and Selective Calls sent other FleetSync®-capable portables or mobiles, from a KDS-100 with a FleetSync® capable mobile (PC mode) or a KDS-100 with a non-FleetSync® capable mobile (air mode). However, Short and Long Text Messaging requires a base station FleetSync® capable mobile PC Serial Interfaced with computer running a FleetSync® compatible dispatch software capable of creating and sending Short/Long Text Messages. This software is available from vendors such as:
- IDA Corporation, Fargo ND: KenCall Dispatch software
- Kenwood Communications Corporation: Fleet Dispatch Pro software

2. The KDS-100 cannot be used simultaneously with a Kenwood KGP-2A/2B AVL unit.

KDS-100	FleetSync® Data Terminal **Note**: The KDS-100 pigtail cable (1.83 ft) combined with the KDS-100 mobile interface cables KCT-34/35/39/40M (1 ft.) and use a KCT-36 (9.8 ft.) for an extension.	625.00
KPG-71DK	Windows® Programming Software for KDS-100	103.25
KCT-40M	Radio Interface Cable for KGP-2A/2B & KDS-100	29.00
KCT-36	Extension Cable for KCT-34/35/39/40M; 117.6 inches (9.8 ft)	43.75

FleetSync® MESSAGING		***LIST***
KAS-2FSD	FleetDispatchPRO: FleetSync® messaging dispatch software for PC **Note**: • TK-7180/8180 base mobile requires a DB-25 PC serial cable to connect to the base computer (purchase aftermarket seperately). • Supports FleetSync® PTT ID, Emergency, Status/Text Messaging for all FleetSync compatible portables & mobiles. • KDS-100 fleet units are compatible with the KAS-2FSD FleetSync calling & messaging features. • Refer to KAS-2FSD spec sheet for detailed features & requirements	384.00

FleetSync® AVL & MESSAGING		***LIST***
KAS-10	FleetSync® & NEXEDGE® AVL & Messaging Software with NEXEDGE Trunking VoIP Dispatch **Note:** Users can chose to operate Messaging, AVL or VoIP or all three if desired. Compatible with Windows® XP, VISTA & 7 and Microsoft®MapPoint®2006/2009/2010 (certain format bitmap images can be imported). Refer to KAS-10 product spec sheets and manuals for detials.	434.00
KGS-3	FleetSync® & NEXEDGE™ AVL & Messaging Software (Windows® 2000/XP compatible), **Note:** AVL operation /use is not required. Compatible with Microsoft®MapPoint®2004/2006 Software or certain type imported maps (purchase aftermarket separately) Refer to KGS-3 spec sheet for detailed features & requirements.	347.00
GPS15XL-W	Garmin Internal GPS Receiver Board for FleetSync® AVL **Note**: • Conventional & LTR operation only • Requires GA25 MCX GPS antenna • Refer to 180/NX-Series & KGS-3 In-Depth Technical Manuals for installation, programming & KGS-3 software setup. Refer to www.garmin.com for GPS-15L-W technical specifications. • Option: Order **L-1033** for Kenwood Long Beach installation	130.25
GA25MCX	Garmin On-dash Style Magnetic base GPS Antenna for GPS15XL-W **Note**: shipped loose only; Install GA25MCX antenna to GPS15XL-W before vehicle install; Refer to 180/NX-Series In-depth Technical Manuals for mobile installation.	62.00

OPTION MODULES		***LIST***
VGS-1	Voice Guide and Storage Unit	87.50

FRIMWARE OPTIONS		***LIST***
KWD-180MPT	MPT Trunking Field Upgrade Kit for 180-Series Must order **L-1620** **Note:** Refer to 180-Series MPT Price Pages and 180-Series MPT In-Depth Technical Manuals for feature details (available from technical support). Not compatible with any other firmware options Radio does not retain all normal 180-Series conventional or LTR trunking features once the MPT option is installed.	43.75
KWD-180TFS	TFS-- Tactical Feature Set-- Field Upgrade Kit for 180-Series Must order **L-1625** **Note**: Refer to 180-Series “Tactical Feature Set” In-Depth Technical Manual for feature details (available from technical support). Not compatible with any other firmware options.	105.00

SERVICE RELATED ACCESSORIES		***LIST***
KPG-46UM	USB Programming interface cable	158.50
KPG-89DNK	Windows® Programming Software for TK-2180/3180/7180/8180 (Compliant with FCC Part 90 Narrowbanding) **Note:** Self-programming & Tactical Feature Set* functions are not available. *** KPG-89DK is required for Tactical Feature Set. KPG-89DK is no longer supported or distributed by Kenwood**	103.25
**********	**Contact Kenwood Parts for Price and Availability 800-367-7514 on the following:**	
E30-3382-05	Clone cable	---
J29-0662-03	Mounting bracket for TK-7180/8180/7160/8160--same as supplied w/ radio (order N99-2039-05 for mounting screw set)	---

INSTALLATION / TUNING CHARGES		***LIST***
L-962	Install VGS-1 Voice Guide & Storage Unit **Note:** VGS-1 installation precludes any ANI or encryption board installation	25.00
L-965	TK-7180/8180 Programming (with basic TX/RX check)	37.50
L-966	Install KAP-2 (Default) HR1/Internal Sp./PA	25.00
L-968	Assemble TK-7180/8180 with KRK-10 Remote Kit	42.00
L-1010	Install KAP-2 (External Sp.) HR1/External Sp./PA	25.00
L-1033	Install Garmin GPS15XL-W in 180-Series mobile for FleetSync® AVL **Note**: The KGS-3 & GPS15XL-W are not compatible with KGP-2A/2B AVL systems	100.00
L-1052	TK-7180/8180 TFS INSTALLATION **Note:** KPG-89DK is required to program the TFS (Tactical Feature Set). KPG-89DK is no longer supported or distributed by Kenwood. TFS will not workwith KPG-89DNK.	100.00
L-1620	180 Portable KWD-180MPT FIELD-UPGRADE (Must purchase KWD-180MPT separately)	NC
L-1625	180 Portable KWD-180TFS FIELD-UPGRADE (Must purchase KWD-180TFS separately)	NC

MPT FIRMWARE/ACCESSORIES/TUNING		***LIST***
KMC-32	Standard mobile microphone with 16-key DTMF (8-pin mod. plug)	70.00
KPG-96DNK	Windows® Programming Software for 180-Series MPT (Compliant with FCC Part 90 Narrowbanding) (Dealer Level License ID included) **Note**: Must order **L-1013** for Network Level License ID & programming privileges	103.25
L-1012	Install MPT option in 180-Series radio	16.67
L-1013	Network Level License ID for KPG-96D(N) 180-Series Programmer	158.33
L-1014	Retrofit Install of MPT option in 180-Seires radio (for previously purchased 180-Series radios.) Order **L-1014** through LMR order desk/rep. Ship radios to attn: Kenwood LMR Tuning, Long Beach for installation. Include Kenwood order number for L-1014 provided by order desk & copy of company P.O. or P.O. number. **Note:** Only certain Serial Number Lots produced in late 2004 and later can be retrofitted - see 180-Series MPT Introduction Sales Bulletin for details	85.00

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TK-7360HV / 8360HU V2.0

VHF/UHF Trunking & Conventional Mobile Radios

All 360 series mobiles include:
- Standard Microphone (KMC-35)
- Mounting Bracket
- DC Cable (KCT-23M)
- 15A Fuse
- Instruction Manual
- Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

GENERAL FEATURES
- 50 W (136-174 MHz) Model
- 45 W (450-520 MHz) Model
- Conventional & LTR® Zones
- 10-Character Alphanumeric Aliases
- Backlit LCD & Keys
- Function/Status LCD Icons
- Blue Function / Status LED
- Transmit /Busy / Call Alert LED
- 10 Programmable Function Keys
- Emergency / AUX Key
- Front Panel Speaker
- Companded Audio
- Voice Inversion Scrambler Built-in
- 16 Scrambler Codes (per CH)
- Encryption / Board Control
- Emergency Call Features
- Lone Worker Alert
- DTMF Encode / Decode
- Special Alert Tone Patterns
- Busy Channel Lockout
- Time Out Timer
- Timed Power Off
- DB15 Accessory Interface
- 8 Programmable I/O Ports
- Ignition Sense
- Public Address / Horn Alert Output
- MIL-Spec Standard Mic
- MIL-Spec 12-Key DTMF Mic Option
- Windows® Programming & Tuning
- Easy Option Ports (26-pin)
- Cloning
- Voice Guide & Storage (Option)
- MIL-STD-810 C/D/E/F/G
- IP54 Water & Dust Intrusion

CONVENTIONAL ZONES
- 128 Channels / 128 Zones
- QT / DQT
- Two-Tone Decode
- Single & Two-Tone Encode
- Operator Selectable Tone
- Single Priority Scan
- Single / Multi-Zone Scan

TRUNKED ZONES
- 128 GID / 128 Zones
- Kenwood LTR® Feature

FleetSync® /II (FM)
- PTT ID Digital ANI
- Selective Call & Group Call
- Paging Call
- Status Messaging
- Emergency Status
- Caller ID Display
- Input / Output Status Messages
- FleetSync® GPS Ready
- Send GPS PF Key
- PTT ID & Emergency GPS Reporting
- GPS Auto Reporting

MDC-1200
- PTT ID Digital ANI
- Caller ID Display
- Emergency Status
- Radio Check
- Radio Inhibit

MODEL		*LIST*
TK-7360HVK	136-174 MHz 50W, 128 CH / 128 Zone CONV-& LTR	467.00
TK-8360HUK	450-520 MHz 45W, 128 CH / 128 Zone CONV-& LTR	484.00

MOBILE INSTALLATION ACCESSORIES		*LIST*
KCT-60M	DB15-to-15pin Molex Adapter Cable	29.00
KCT-18	Ignition sense cable (requires KCT-60M Acc. Cable Option)	13.70
KCT-36	Extension Cable for KCT-34/35/39/40M/60M; 117.6 inches (9.8 ft)	43.75
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	42.00
KMB-10	Key lock adapter	26.30

CONTROL STATION INSTALLATION ACCESSORIES		*LIST*
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	86.00
KMB-24	Control Station Mounting Case for KPS-15 Power Supplies (mobile mounting hardware included)	42.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	173.00

MICROPHONES AND SPEAKERS		***LIST***
KMC-35	MIL-SPEC Standard electret mobile microphone (8-pin mod. plug) - same as supplied	52.50
KMC-36	MIL-SPEC Standard electret mobile microphone with 12-key DTMF (8-pin mod. plug)	94.50
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	86.00
KES-3	External speaker (compact low profile; black case; 3.5 mm phono plug-in)	44.25
KES-5	External speaker, 40W max input **Note:** requires KCT-60M installed	61.25

FleetSync® AVL		***LIST***
GPS15XL-W	Garmin Internal GPS Receiver Board for FleetSync® AVL **Note**: • Conventional operation only • Requires GA25 MCX GPS antenna • Refer to www.garmin.com for GPS-15L-W technical specifications. • Option: Order **L-1690** for Kenwood Long Beach installation	130.25
GA25MCX	Garmin On-dash Style Magnetic base GPS Antenna for GPS15XL-W **Note**: shipped loose only; Install GA25MCX antenna to GPS15XL-W before vehicle install.	62.00

OPTION MODULES		***LIST***
VGS-1	Voice Guide and Storage Unit	87.50

SERVICE RELATED ACCESSORIES		***LIST***
KPG-135DNK	Windows® Programming Software for TK-7360/8360	103.25
KPG-46UM	USB Programming interface cable	158.50
**********	**Contact Kenwood Parts for Price and Availability 800-367-7514 on the following:**	
E30-3382-05	Clone cable	---
J29-0662-03	Mounting bracket - same as supplied w/ radio (order N99-2039-05 for mounting screw set)	---

INSTALLATION / TUNING CHARGES		***LIST***
L-1689	TK-7360/8360 Programming (with basic TX/RX check)	37.50
L-1690	Install Garmin GPS15XL-W in 360-Series mobile for FleetSync® AVL	100.00
L-1693	Install VGS-1 Voice Guide & Storage Unit **Note:** VGS-1 installation precludes any ANI or encryption board installation	25.00

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TK-7302HV / 8302HU

VHF/UHF Conventional Mobile Radios

All 302 series mobiles include:
- Standard Microphone (KMC-35)
- Mounting Bracket
- DC Cable (KCT-23M)
- 15A Fuse
- Instruction Manual
- Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

GENERAL FEATURES
- 50 W (136-174 MHz) Model
- 45 W (450-520 MHz) Model
- Conventional Zones
- 16 Channels / 2 Zones
- Single Priority Scan
- Single / Multi-Zone Scan
- 2-Digit LED Channel Display
- Function/Status LED Dots
- Blue Function/Status LED
- Transmit /Busy / Call Alert LED
- Backlit Keys
- 9 Programmable Function Keys
- Emergency / AUX Key
- Front Panel Speaker
- Companded Audio
- Voice CH# Announcement (8 Languages)
- Voice Inversion Scrambler Built-in
- 16 Scrambler Codes (per CH)
- Encryption Board Control
- Emergency Call Features
- Lone Worker Alert
- QT / DQT
- Operator Selectable Tone
- Two-Tone Decode
- Single & Two-Tone Encode
- DTMF Encode / Decode
- Special Alert Tone Patterns
- Busy Channel Lockout
- Time Out Timer
- Timed Power Off
- DB15 Accessory Interface
- 8 Programmable I/O Ports
- Ignition Sense
- Public Address / Horn Alert Output
- MIL-Spec Standard Mic
- MIL-Spec 12-Key DTMF Mic Option
- Windows® Programming & Tuning
- Cloning
- MIL-STD-810 C/D/E/F/G
- IP-54 Water & Dust Intrusion

FleetSync® /II (FM)
- PTT ID Digital ANI
- Selective Call & Group Call
- Paging Call
- Status Messaging
- Emergency Status
- Input / Output Status Messages
- FleetSync® GPS Ready
- Send GPS PF Key
- PTT ID & Emergency GPS Reporting
- Ignition On/Off GPS Reporting

MDC-1200
- PTT ID Digital ANI
- Emergency Status
- Radio Check
- Radio Inhibit

MODEL		***LIST***
TK-7302HVK	136-174 MHz 50W, 16 CH / 2 Zone Conventional	350.00
TK-8302HUK	450-520 MHz 45W, 16 CH / 2 Zone Conventional	367.00

MOBILE INSTALLATION ACCESSORIES		***LIST***
KCT-60M	DB15-to-15pin Molex Adapter Cable	29.00
KCT-18	Ignition sense cable (requires KCT-60M Acc. Cable Option)	13.70
KCT-36	Extension Cable for KCT-34/35/39/40M/60M; 117.6 inches (9.8 ft)	43.75
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	42.00
KMB-10	Key lock adapter	26.30

CONTROL STATION INSTALLATION ACCESSORIES		***LIST***
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	86.00
KMB-24	Control Station Mounting Case for KPS-15 Power Supplies (mobile mounting hardware included)	42.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	173.00

MICROPHONES AND SPEAKERS		***LIST***
KMC-35	MIL-SPEC Standard electret mobile microphone (8-pin mod. plug) - same as supplied	52.50
KMC-36	MIL-SPEC Standard electret mobile microphone with 12-key DTMF (8-pin mod. plug)	94.50
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	86.00
KES-3	External speaker (compact low profile; black case; 3.5 mm phono plug-in)	44.25
KES-5	External speaker, 40W max input **Note:** requires KCT-60M installed	61.25

FleetSync® AVL		***LIST***
GPS15XL-W	Garmin Internal GPS Receiver Board for FleetSync® AVL **Note**: • Conventional operation only • Requires GA25 MCX GPS antenna • Refer to www.garmin.com for GPS-15L-W technical specifications. • Option: Order **L-1643** for Kenwood Long Beach installation	130.25
GA25MCX	Garmin On-dash Style Magnetic base GPS Antenna for GPS15XL-W **Note**: shipped loose only; Install GA25MCX antenna to GPS15XL-W before vehicle install.	62.00

SERVICE RELATED ACCESSORIES		***LIST***
KPG-46UM	USB Programming interface cable	158.50
KPG-124DNK	Windows® Programming Software for TK-7302/8302 (Compliant with FCC Part 90 Narrowbanding)	103.25
**********	**Contact Kenwood Parts for Price and Availability 800-367-7514 on the following:**	
E30-3382-05	Clone cable	---
J29-0662-03	Mounting bracket - same as supplied w/ radio (order N99-2039-05 for mounting screw set)	---

INSTALLATION / TUNING CHARGES		***LIST***
L-1642	TK-7302/8302 Programming (with basic TX/RX check)	37.50
L-1643	Install Garmin GPS15XL-W in 302-Series mobile for FleetSync® AVL	100.00

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TK-980 / 981

800/900 MHz Trunked Mobile Radios

All 80/81 series mobiles include:
- Standard Microphone (KMC-27B)
- Mounting Bracket
- DC Cable (KCT-23M)
- Instruction Manual
- Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

GENERAL FEATURES
- 15 W 800 & 900 MHz Models
- Trunked Format
- LTR® Trunked Systems
- Conventional Systems
- 32 Systems / 250 Groups
- System Scan
- List Type System Scan
- 10 Character Alphanumeric Aliases
- Backlit Dot Matrix LCD
- 3-Digit Sub-Display
- Function / Status LCD Icons
- Transmit / Busy / Call Alert / Warn LED
- 6 Backlit PF Keys
- 500 mW Speaker Audio
- Companded Audio
- Encryption / ANI Board Control
- Emergency Call Features
- DTMF Encode / Decode
- Time Out Timer
- Timed Power Off
- ACC Cable Option
- Ignition Sense
- Public Address / Horn Alert Option
- Dynamic Mobile Mic Included
- MIL-Spec Noise-canceling Mic Option
- MIL-Spec 12-Key Noise-canceling Mic Option
- Windows® Programming & Tuning
- Windows® Firmware Uploading
- Front Panel Test / Tune
- Cloning
- MIL-STD-810 C/D/E/F/G
- NPSPAC Option

CONVENTIONAL ZONES
- QT / DQT
- Single Priority Group Scan
- Busy Channel Lockout

TRUNKED ZONES
- Kenwood LTR® Features

FleetSync®
- PTT ID Digital ANI
- Selective Call & Group Call
- Status Messaging
- Emergency Status
- Caller ID Display
- Short Text Messages
- PC Serial Interface

MODEL		*LIST*
TK-980	800 MHz, 15W LTR-32 Systems, CONV-250 CH.	551.00
TK-981	900 MHz, 15W LTR-32 Systems, CONV-250 CH.	569.00

Important Note:
The TK-480/481/980/981 only operate in "Trunked Format" (LTR & Conventional systems). These are not "Dual Format" radios like the TK-280/380/780/880 mobiles which operate in either Trunked Format (LTR & Conventional systems) or Conventional Format (traditional conventional channel organization with priority scan).

LTR® is a registered trademark of E.F. Johnson Co.

MOBILE INSTALLATION ACCESSORIES		*LIST*
KAP-1	Horn Alert/P.A. Relay Option (Requires KCT-19)	42.00
KCT-18	Ignition sense cable (Requires KCT-19)	13.70
KCT-19	Accessory connector cable (for ignition sense, horn alert, KSP- spkrs, & Data Port)	22.00
KCT-34	Radio Interface Cable for KGP-2A/2B & KDS-100	22.00
KCT-36	KCT-34/35/39/40M Extension Cable; 117.6 inches (9.8 ft)	43.75
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	42.00
KMB-10	Key lock adapter (for both KMB-4 & 6)	26.30
KMB-6	Mobile mounting bracket (same as supplied)	12.35

CONTROL STATION INSTALLATION ACCESSORIES		***LIST***
KCT-31	PC Serial Interface cable (80-Series mobile-to-PC connection for FleetSync®)	73.50
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	86.00
KMB-20	Control Station Mounting Case for KPS-15 Power Supplies (mobile mounting hardware included)	26.30
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	173.00

MICROPHONES AND SPEAKERS		***LIST***
KMC-27A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug)	104.00
KMC-27B	Standard dynamic mobile microphone (8-pin mod. plug)	42.00
KMC-28A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug) w/ DTMF	163.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	86.00
KES-3	External speaker (compact low profile; black case; 3.5 mm phono plug-in)	44.25
KES-5	External speaker, 40W max input, blk case; 5"x5"x2-9/16" (requires KCT-19)	61.25

FleetSync® MOBILE DATA TERMINAL — *LIST*

KDS-100 Data Terminal includes:
- Mounting bracket
- Mounting hardware
- DC Cable

KDS-100 FEATURES
- Increases FleetSync® Message Viewing: 40 Character x 6 line Dot Matix LCD
  - View 5 line Message List x 23 Char. @ line (vs. 1 line Message x 16 Char. scrolling)
  - View Short Text Messages (48 Char.) at once (vs. 48 Char. scrolling)
  - View Long Text Message (1024 Char.) at once (vs. not available)
- Increases FleetSync® ID Capacity: 511 IDs (vs. 100 IDs)
  - Base stations can handle larger size fleets
- Increases Status Message List Capacity: 89 Messages (vs. 50 Msgs.)
  - More dispatcher-to-fleet type messages for different job tasks
  - More fleet-to-dispatcher type messages for responses/statuses
- Increased Status Message Stack Memory: 367 Messages (vs. 9 Msg.s)
- Increased Short Text Message Stack Memory: 367 Messages (vs. 4 Msg.s)
- Litium Cell Memory Backup Battery (vs. radio-only volatile message memory)
- Large Backlit LCD & Function Keys
- Simple Installation
- Windows® Compatible Programming Software
- Programming Password Protection
- Built-in FleetSync® DSP Modem
- Real-Time Clock/Message Time Stamping
- 10 Status Message 'Hot Keys'
- Message Sorting & Deletion Screens
- Message Temporary Recycle Bin
- New Message Tone and LED Alerts
- Buzzer Volume Level
- Flashrom Firmeware Memory

Important Note:
1. KDS-100 Compatible Dispatch Software May Be Required - The KDS-100 used a fleet unit will decode Status Messages and Selective Calls sent other FleetSync®-capable portables or mobiles, from a KDS-100 with a FleetSync® capable mobile (PC mode) or a KDS-100 with a non-FleetSync® capable mobile (air mode). However, Short and Long Text Messaging requires a base station FleetSync® capable mobile PC Serial Interfaced with computer running a FleetSync® compatible dispatch software capable of creating and sending Short/Long Text Messages. This software is available from vendors such as:
- IDA Corporation, Fargo ND: KenCall Dispatch software
- Kenwood Communications Corporation: Fleet Dispatch Pro software

2. The KDS-100 cannot be used simultaneously with a Kenwood KGP-2A/2B AVL unit.

KDS-100	FleetSync® Data Terminal **Note**: The KDS-100 pigtail cable (1.83 ft) combined with the KDS-100 mobile interface cables KCT-34/35/39/40M (1 ft.) and use a KCT-36 (9.8 ft.) for an extension.	625.00
KPG-71DK	Windows® Programming Software for KDS-100	103.25
KCT-34	Radio Interface Cable for KGP-2A/2B & KDS-100	22.00
KCT-36	Extension Cable for KCT-34/35/39/40M; 117.6 inches (9.8 ft)	43.75

FleetSync® MESSAGING		***LIST***
KAS-2FSD	FleetDispatchPRO: FleetSync® messaging dispatch software for PC **Note**: • TK-980/981base mobile requires a KCT-31 PC serial cable to connect to the base computer (purchase seperately). • Supports FleetSync® PTT ID, Emergency, Status/Text Messaging for all FleetSync compatible portables & mobiles. • KDS-100 fleet units are compatible with the KAS-2FSD FleetSync calling & messaging features. • Refer to KAS-2FSD spec sheet for detailed features & requirements	384.00

SERVICE RELATED ACCESSORIES		***LIST***
KPG-46UM	USB Programming interface cable	158.50
KPG-49DK	Windows® Programming Software for TK-480/481/980/981 V3.00 or higher	68.50
**********	**Contact Kenwood Parts for Price and Availability 800-367-7514 on the following:**	
E30-3382-05	Clone cable	---
J29-0627-13	Mounting bracket for TK-780/880/980/981 --- same as supplied w/ radio	---

INSTALLATION / TUNING CHARGES		***LIST***
L-857	80 Mobile Programming (with basic TX/RX check)	25.00
L-889	Install firmware & enable NPSPAC operation in TK-980 **Note**: Other required items: KPG-49D (V2.00 or higher) higher permits "per channel" programming of NPSPAC capability. NPSPAC and PassPort® capabilty are not available in the same firmware option.	84.00
L-918	Install KCT-31 in 80-Series mobile (order KCT-31 separately)	21.00
L-929	Install KCT-34 to 80-Series mobile for KDS-100/KGP-2A/2B interface (order KCT-34 separately)	21.00

PassPort® for TK-480/481 Series Portables — *LIST*

PassPort® Options for NEW Radio Orders (Kenwood-installed)

Ordering Instructions
For 800/900 MHz models TK-480/481/980/981 new radio orders, the Kenwood-installed Passport® ESN / firmware option is available for a charge: Order the ESN/Firmware option per L-876, L-877 or L-878.

Other required items:
KPG-63D Radio Programming Software: the KPG-63D is required to program all PassPort® parameters for all PassPort® enabled radios, the KPG-63D will not program LTR or conventional parameters. KPG-49D is required only if LTR or conventional systems are to also be programmed in the PassPort® radio.

KPG-63DK	PassPort® Radio Programming Software V2.00 or higher	68.50
L-876	Install PassPort® ESN options and firmware in TK-480/481/980/981 · 1-24 qty. lot price; Price is per ESN · The latest PassPort® radio firmware will be installed	68.00
L-877	Install PassPort® ESN options and firmware · 25-99 qty. lot price; Price is per ESN · The latest PassPort® radio firmware will be installed	68.00
L-878	Install PassPort® ESN options and firmware · 100 qty. lot price; Price is per ESN · The latest PassPort® radio firmware will be installed	68.00

PassPort® Options for Dealer/Operator Field Conversions (Field-installation kits)

Ordering Instructions
1. Order the ESN key/firmware Labor Code options: L-892 or L-894; specify model radio(s).
Pre-loaded ESN hardware key(s) with the ordered quantities of ESN's & a PassPort® radio firmware diskette will be shipped (100 ESN's maximum per hardware key).
Important: Any depleted key previously registered to a technicians computer must be retained to register any new purchased key to the computer; please retain the old key until the new one is received.
2. Other required items:
a. KPG-64D: PassPort® ESN Install Program: the KPG-64D only needs to be ordered one time. It is re-useable for subsequent ESN orders (unless an upgrade is recommended).
b. KPG-63D Radio Programming Software: required to program all PassPort® parameters for all PassPort® enabled radios, the KPG-63D will not program LTR or conventional parameters.
c. KPG-49D Radio Programming Software: required only if LTR or conventional systems are also to be programming in the PassPort® radio.
3. The KPG-49D radio programming software is required for LTR & conventional site programming.

Note: Sales of L-892, 893, 894 are NOT refundable. Purchaser has a 72 hour limit after receipt to report suspected hardware key defects or ESN shortages to Kenwood engineering, Suwanee office 678-474-4700

L-892	PassPort® ESN Options & PassPort® firmware disk **(SPECIFY RADIO MODEL)** · 1-24 qty. lot price; Price is per ESN	68.00
L-893	PassPort® ESN Options & PassPort® firmware disk **(SPECIFY RADIO MODEL)** · 25-99 qty. lot price; Price is per ESN	68.00
L-894	PassPort® ESN Options & PassPort® firmware disk **(SPECIFY RADIO MODEL)** · 100 qty lot price; Price is per ESN · Maximum 100 ESN options per hardware key	68.00
SRB08698	Hardware Key (Maximum 100 ESNs per hardware key) - requires KPG-64D to download PassPort® ESN options into an 80-Series radio. **Note**: 1)The hardware key is registered to the computer that it is first used on; it cannot be used on other computers. 2) Empty hardware keys can be returned for 50% credit; call the LMR order desk for RMA #. 3) Retain depleted keys until a new one is received. It will be required to register the new key to the same computer.	87.50
KPG-64DK	PassPort® ESN Field Installation Software V1.12 · V1.12: supercedes V1.11; upgrade to V1.12 recommended for improved ESN file database features	10.50
KPG-63DK	PassPort® Radio Programming Software V2.00 or higher	68.50

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TK-6110

Compact Low Band Mobile Radio

All 6110 series mobiles include:
- Standard Microphone (KMC-27B)
- Mounting Bracket
- DC Cable (KCT-23M)
- Instruction Manual
- Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

GENERAL FEATURES
- 70 W (29.7-37.0, 35.0-50.0 MHz)
- 32 Channels
- Single Priority Scan
- 8 Character Alphanumeric LCD
- 3 Digit Sub-Display and Icons
- Transmit / Busy / Call Allert / Warn LED
- Up/Down Channel Selector
- Volume Knob
- Power On/Off Button
- 7 Programmable Radio Keys
- Front Panel Speaker
- Noise Blanker Function
- Encryption / ANI Board Control
- Emergency Call Features
- QT/DQT Encode & Decode
- Operator Selectable Tone
- Two Tone Decode
- DTMF Encode & Decode
- Time Out Timer
- Busy Channel Lockout
- 15 Pin Accessory Connector
- MIL-Spec / Noise-Cancel Microphone
- M-Type Antenna Connector
- Ignition Sense
- Timed Power Off
- Horn Alert
- Cloning
- PC Programming & Tuning
- MIL-STD-810 C/ D/ E

IMPORTANT NOTICE [Power/Bandwidth vs. VSWR]

1. The TK-6110 mobiles output power will be significantly reduced with VSWR = 1.5 or greater.
TK-6110 Output Power Performance (nominal; transmission line losses not included)

VSWR	Output Power
1.2 or less	70W or more
1.3-1.5	60W or more
More than 1.5	60W or less

TK-6110K

Frequency	Bandwidth
29.7MHz	0.4MHz (+/-0.20MHz)
33.0MHz	0.4MHz (+/-0.20MHz)
37.0MHz	1.0MHz (+/-0.50MHz)

TK-6110K2

Frequency	Bandwidth
35.0MHz	1.0MHz (+/-0.5MHz)
40.0MHz	1.8MHz (+/-0.9MHz)
50.0MHz	1.8MHz (+/-0.9MHz)

2. The TK-6110 design eliminates the need for the following accessories typical of Kenwood compact mobiles:
a. KCT-19: 15-pin accessory connector is built in.
b. KAP-1: the Horn Alert output is provided on the 15-pin connector (see service manual for maximum current rating).
Audio Power: 3W internal speaker / 10W external speaker (KES-5).
FleetSync® is not available for the TK-6110.
KES-3 is not compatible, use KES-5.
The following frequencies are not allowed in the TK-190 and TK-6110 models: 33.6 MHz and 42.0 MHz.

MODEL		***LIST***
TK-6110K	VHF Low Band 29.7 – 37.0 MHz 70W, 32 Channels	788.00
TK-6110K2	VHF Low Band 35.0 – 50.0 MHz 70W, 32 Channels	788.00

CABLES		***LIST***
KCT-18	Ignition sense cable	13.70

MOBILE INSTALLATION ACCESSORIES		***LIST***
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	42.00

MICROPHONES AND SPEAKERS		***LIST***
KMC-27A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug)	104.00
KMC-27B	Standard dynamic mobile microphone (8-pin mod. plug)	42.00
KMC-28A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug) w/ DTMF	163.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	86.00
KES-5	Ext. speaker, 40W max input; blk,. case, 5"x5"x2-9/16" **Note**: plugs into TK-6110 6-pin molex acc. conn.	61.25

MISCELLANEOUS ITEMS		***LIST***
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	173.00

SERVICE RELATED ACCESSORIES		***LIST***
KPG-46UM	USB Programming interface cable	158.50
KPG-59DK	Program Software for TK-190/6110 (Version 2.00)	68.50
**********	**Contact Kenwood Parts for Price and Availability 800-367-7514 on the following:**	
E30-3382-05	Clone cable	---
J29-0662-03	Mounting bracket (Same as supplied)	---
N99-0395-05	Screw set for mounting bracket Part #J29-0662-03	---

INSTALLATION / TUNING CHARGES		***LIST***
L-911	TK-190/TK-6110 Programming (with basic TX/RX check)	25.00

MOTOROLA SOLUTIONS

Commercial Series Price Pages

U.S. List Version

May 1st, 2014 Edition

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Changes for

May 1st, 2014 Edition

US Commercial List Price Pages

Page	Product	Part Number	Change	Change Description
General				
N/A	N/A	N/A	None	N/A
Portables				
14	CP200d	QA04002	Updated	Description updated to Lightweight Headset with Swivel Boom Mic.
33	Portable Accessories Section	NAE6483_R	Removed	Product Cancelled
Mobiles				
N/A	N/A	N/A	None	N/A
Fixed Equipment				
57	MC2000	L3216	Cancellation	Notice of Cancellation with a last order date of 09/30/2014.
Miscellaneous				
N/A	N/A	N/A	None	N/A

PAYMENT TERMS

Per the Motorola Authorized Dealer Contract:

"Each delivery shall be separately invoiced without regard to other deliveries. Payment for each invoice shall be according to the payment terms set forth in the Dealer Price Pages."

Standard Payment Terms:

- **3/15, Net 30 for Elite Specialist and Specialist Partners**
- **1/15, Net 30 for Authorized Partners**

Elite Specialist and Specialist Partners:

- 3% Discount off the invoice total when paid within fifteen (15) days of invoice date (check must be received/deposited within 15 days of invoice date).
- Orders paid by credit card are not elegible for the 3% prompt pay discount.
- Total amount due within thirty (30) days of invoice date.
- Please include completed remittance stub with your payment.
- Payment Terms of Net 90 days will be offered to all qualifying dealers.

Authorized Partners:

- 1% discount off the invoice total when paid within fifteen (15) days of invoice date (check must be received/deposited within 15 days of invoice date).
- Total amount due within thirty (30) days
- Please include completed remittance
- Payment Terms of Net 90 days will be

For more information visit Motorola Online (MOL) or contact your Area Finance Manager (AFM)

REMIT TO ADDRESSES

<table>
<tr><th>For Radio, Parts & Accessory Invoices Remit Payments to:</th><th>For Service Invoices Remit Payment to:</th></tr>
<tr><td rowspan="2"><u>Regular Mail & Overnight</u>
Bank of America
13104 Collections Center Drive
Chicago, IL 60693
Attn: Motorola Lockbox Services
Phone: 312-974-1642</td><td>The following states remit service invoice payments to the IL addresses:
AK, AZ, CA, CO, HI, IA, ID, IL, IN, KS, KY, MA, MI, MN, MO, ND, NE, NJ, NM, NV, NY, OH, OK, OR, PA, SD, UT, WA, & WI

<u>Overnight Delivery</u>:
Bank of America
13108 Collections Center Drive
Chicago, IL 60693
Attn: Motorola Lockbox Service
Phone: 312-974-1642

<u>Regular Mail</u>:
Bank of America
13108 Collections Center Drive
Chicago, IL 60693</td></tr>
<tr><td>The following states remit service invoice payments to the IL addresses:
AL, AR, CT, DC, DE, FL, GA, LA, MD, ME, MS, MT, NC, NH, RI, SC, TN, TX, VA, VT, WV & WY

<u>Overnight Delivery</u>:
Bank of America
6000 Felwood Rd.
College Park, GA 30349
Attn: Motorola Lockbox 404059
Phone: 770-774-6558

<u>Regular Mail</u>:
Bank of America
PO Box 404059
Atlanta, GA 30384-4059</td></tr>
</table>

SHIPPING TERMS

No shipping charges will be incurred for any combination of radios, parts, and accessories on a single order totaling $10,000 or more when shipped Standard Ground Delivery. Otherwise, shipping charges for radio, parts, and accessory orders shipped Standard Ground Delivery will be calculated based on the actual weight of the shipment, delivery zone, and shipment method.

Shipping charges for orders shipped via Air Delivery will be based only on the total order weight.

Hawaii and Alaska Delivery: A $10 surcharge will be added to the total shipping cost at the time of order entry for shipments going to Hawaii or Alaska.

Motorola will ship only to a Dealer's authorized locations. Motorola will not drop ship to third parties at the request of the dealer.

The dealer is responsible for paying the freight charges calculated at the time of the order placement.

DEALER SUPPORT

Products not in your Price Pages may be available through the "Above the Price Book" program or the "Dealer Referral" program. For more information visit Motorola Online (MOL) or contact your Area Distribution Manager.

Pricing may change between monthly Price Pages updates.

MOTOROLA ONLINE (MOL)

https://businessonline.motorolasolutions.com

The Price Pages available within the PRINT ON DEMAND website are the official Price Pages. Any periodic updates to the pages will be posted on PRINT ON DEMAND.

Motorola Online presents a wide variety of ways to do business with Motorola.

- *Buying Center* — *Includes parts & equipment purchasing*
- *Order Status* — *Get the status and detail of parts & equipment orders*
- *Account Status* — *Check on account summary, invoices, and balance*
- *Payment Center* — *Pay invoices online via a checking account*
- *Resource Center* — *Find a library of product, marketing, and sales information*
- *Repair Status* — *Obtain the status of radios you send in for repair*
- *Training Center* — *Links to the Motorola Worldwide Learning Services*
- *Contact Us* — *Two means of support – Call 1-800-814-0601, or* http://www.motorolasolutions.com/US-EN/Pages/Contact_Us

RETURN / REPLACEMENT PROCEDURES

Return Policy:

Motorola will accept the return of new and unused Motorola products in their original packaging material within 45 calendar days of the original shipment of the product. After 45 calendar days, a 20% restocking fee will be assessed. Restocking fees for tower hardware, site equipment and test stations will be applied per the individual supplier's policy set forth in the supplier's stated terms and conditions accompanying product packing slip, and products ordered to a specific frequency or code may not be returnable. Note: the 20% restocking fee applies to returns of new and unused computer and computer peripheral products, and no return of computers or peripherals will be accepted beyond 45 days.

After 90 days, no returns of new, unused equipment (tower, site and test equipment included) will be accepted by Motorola. This policy applies to all Motorola products purchased through RPSD or the Radio Systems Division Infrastructure Support Products Operation (ISPO), including products supplied through 3rd party suppliers, unless superseded by a large system contract.

45 Day Warranty Replacement:

Motorola will replace defective radios under warranty that are returned within 45 calendar days of the end user purchase for up to one year from the factory shipment date.

Thereafter Motorola, at its option, will at no charge either repair or replace this product during the warranty period provided it is returned in accordance with the terms of this warranty to the place of purchase.

Defective radio(s) should be shipped along with the proper documentation to:

Motorola Customer Fulfillment Center
Attn: RPSD Program / Tracking #_____
2200 Galvin Drive
Elgin, IL 60123

In order to ensure your return or warranty replacement are successfully processed, you must contact Dealer Support Services, Customer Service at 1-800-927-2744 to obtain a Return Authorization Number and shipping instructions.

WARRANTY INFORMATION

I. WHAT THIS WARRANTY COVERS AND FOR HOW LONG:

MOTOROLA INC. ("MOTOROLA") warrants its MOTOROLA manufactured Radius Communication Products ("Product") against defects in material and workmanship under normal use and service for a period of time from the date of purchase as scheduled below:

• VL50 Portables	One (1) year
• CP110 Portables	One (1) year
• BPR 40 Portables	One (1) year
• CP185 Portables	Two (2) years
• CP200 Portables	Two (2) years
• CP200d Portables	Two (2) years
• CP200XLS Portables	Two (2) years
• CM200 Mobiles	Two (2) years
• CM200d Mobiles	Two (2) years
• CM300 Mobiles	Two (2) years
• CM300d Mobiles	Two (2) years
• Mag One Accessories (except Mag One Battery)	Six (6) months
• Accessories (including Mag One Battery)	One (1) year

• Speaker Microphones and Cords	• Carrying Cases	• Antennas
• Rechargeable Batteries	• Chargers	• Duplexers
• Headsets and Earpieces	• Power Supplies	• Telephone Interconnects
• Mobile Microphones and Cords	• External Speakers	• DC and Tone Remote Adapters

II. WHAT THIS WARRANTY DOES NOT COVER:

A) Defects or damage resulting from use of the Product in other than its normal and customary manner.

B) Defects or damage from misuse, accident, water, or neglect.

C) Defects or damage from improper testing, operation, maintenance, installation, alteration, modification, or adjustment.

D) Breakage or damage to antennas unless caused directly by defects in material workmanship.

E) A Product subjected to unauthorized Product modifications, disassemblies, or repairs (including, without limitation, the addition to the Product of non-MOTOROLA supplied equipment) which adversely affect performance of the Product or interfere with MOTOROLA's normal warranty inspection and testing of the Product to verify any warranty claim.

F) Product which has had the serial number removed or made illegible.

G) Rechargeable batteries if:

i. any of the seals on the battery enclosure of cells are broken or show evidence of tampering.

ii. the damage or defect is caused by charging or using the battery in equipment or service other than the Product for which it is specified.

H) Freight costs to the repair depot. Unapproved upgrades or modifications.

i. A Product which, due to illegal or unauthorized alteration of the software/firmware in the Product, does not function in accordance with MOTOROLA's published specifications or the FCC type acceptance labeling in effect for the Product at the time the Product was initially distributed from MOTOROLA.

III. HOW TO GET WARRANTY SERVICE:

To receive warranty service, deliver or send the Product, transportation and insurance prepaid, to the place of purchase along with your proof of purchase or lease and transceiver serial number. Alternatively, call 1-800-927-2744 for other locations.

IV. GENERAL PROVISIONS:

This warranty sets forth the full extent of MOTOROLA's responsibilities regarding the PRODUCT. Repair, replacement or refund of the purchase price, at MOTOROLA'S option, is the exclusive remedy. THIS WARRANTY IS GIVEN IN LIEU OF ALL OTHER EXTENDED WARRANTIES. IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. IN NO EVENT SHALL MOTOROLA BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT, FOR ANY LOSS OF USE, LOSS OF TIME, INCONVENIENCE, COMMERCIAL LOSS, LOST PROFITS OR SAVINGS OR OTHER INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE SUCH PRODUCT, TO THE FULL EXTENT SUCH MAY BE DISCLAIMED BY LAW.

V. PATENT AND SOFTWARE PROVISIONS:

MOTOROLA will defend at its own expense any suit brought against the end user purchaser to the extent that it is based on a claim that the Product or parts infringes a United States patent, and MOTOROLA will pay those costs and damages finally awarded against the end user purchaser in any such suit which are attributable to any such claim, but such defense and payments are conditioned on the following:

i. That MOTOROLA will be notified promptly in writing by such purchaser of any notice of such claim.

ii. That MOTOROLA will have sole control of the defense of such suit and all negotiations for its settlement or compromise and;

iii. Should the Product or parts become, or in MOTOROLA's opinion be likely to become, the subject of a claim of infringement of a United States patent, that such purchaser will permit MOTOROLA, at its option and expense, either to procure for such purchaser the right to continue using the Product or parts or to replace or modify the same so that it becomes non-infringing or to grant such purchaser a credit for the Product or parts as depreciated and accept its return. The depreciation will be an equal amount per year over the lifetime of the Product or parts as established by MOTOROLA.

MOTOROLA will have no liability with respect to any claim of patent infringement which is based upon the combination of the Product or parts furnished hereunder with software, apparatus or devices not furnished by MOTOROLA, nor will MOTOROLA have any liability for the use of ancillary equipment or software not furnished by MOTOROLA which is attached to or used in connection with the Product. The foregoing states the entire liability of MOTOROLA with respect to infringement of patents by the Product or any parts thereof.

Laws in the United States and other countries preserve for MOTOROLA certain exclusive rights for copyrighted MOTOROLA software such as the exclusive rights to reproduce in copies and distribute copies of such Motorola software. MOTOROLA software may be used in only the Product in which the software was originally embodied and such software in such Product may not be replaced, copied, distributed, modified in any way, or used to produce any derivative thereof. No other use including, without limitation, alteration, modification, reproduction, distribution or reverse engineering of such MOTOROLA software or exercise of rights in such MOTOROLA software is permitted. No license is granted by implication, estoppel or otherwise under MOTOROLA patent rights or copyrights.

VI. STATE LAW RIGHTS:

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY.

This warranty gives specific legal rights, and there may be other rights which may vary from state to state.

SERVICE FROM THE START - SfS LITE

DESCRIPTION OF SERVICE FROM THE START – LITE (SfS)

SfS LITE is an optional service plan available in addition to Motorola's standard Commercial Warranty for select Motorola manufactured two-way, data, and paging subscriber equipment for an additional fee. This plan is available for purchase at the time of an equipment order. Service performed under this plan consists of repair or replacement of the covered equipment as set forth in the terms and conditions herein. Service is provided by a designated Motorola facility. This plan is extended by Motorola, Inc. ("Motorola") to the original purchaser or lessee only, and only to those purchasing or leasing for commercial, industrial, or public service use ("Customer"). This plan is not assignable or transferable to any other party and applies within the fifty (50) United States and the District of Columbia.

EQUIPMENT COVERED

Subscriber equipment includes portables, mobiles, pagers, and consolettes. In addition, two-way subscriber standard palm microphones and single mobile control heads are covered provided that they are required for normal operation of the equipment and are included at the point of manufacture.

EQUIPMENT EXCLUDED

Excluded equipment includes: encryption; analog voice secure board (manufactured by Transcrypt); custom or special products; belt clips; optional accessories; non-standard mobile microphones; iDEN accessories; iDEN mobile microphones; portable remote speaker microphones; optional or additional control heads; mobile external speakers; single and multiple unit portable chargers; batteries; mobile power and antenna cables; mobile antennas; portable antennas; power supplies; and Motorola Software. Equipment whose serial number has been removed or made illegible and will not power up is also excluded.

DURATION OF COVERAGE

The duration of the plan varies by equipment model and may provide for up to three (3) years of coverage. The plan provides service coverage for one (1), two (2), or three (3) years beyond the Commercial Warranty, at a designated Motorola rate. The term of coverage begins on the first day after the Commercial Warranty expires and continues for the duration purchased as per Customer's invoice.

SERVICES PROVIDED

If equipment covered by the plan fails to perform in accordance with the published specifications in effect at the time equipment was purchased, Motorola, at its option, will either repair or replace the equipment at a designated Motorola service facility, as listed in the service manual. Such action on the part of Motorola shall be the full extent of Motorola's liability under the plan.

Under this plan, repair includes:

A) Testing and restoring the equipment to Motorola factory specifications. Restoration, at Motorola's option, may include the replacement of parts or boards with functionally equivalent reconditioned or new parts or boards. Replaced parts, boards or equipment, are covered for the remaining time period of the plan. All replaced parts, boards or equipment shall become the property of Motorola and will not be returned to the Customer.

B) Reprogramming equipment to original operating parameters based on the Customer template, if retrievable, or from a Customer supplied backup diskette. If the Customer template is not retrievable, a generic template utilizing the latest Radio Service Software (RSS)/Customer Programming Software (CPS) version for that equipment will be used.

C) Cleaning of external housing of the equipment.

D) Liquid damage coverage for ruggedized units ONLY (Units ordered with the H499/H64 option)

E) Priority Processing when repair is initiated via Motorola On-Line (MOL). Motorola will pay the inbound shipping charges only if the Customer uses the Motorola designated delivery service. For delivery service options for the Federal Technical Center call 1-800-969-6680. Motorola will pay for outbound shipping via Motorola's published ship card.

EXCLUDED SERVICES UNDER SERVICE FROM THE START – LITE (SfS)

This plan does not cover defects, malfunctions, performance failures or damages to the unit resulting from:

A) Use in other than its normal and customary manner

B) Misuse, vandalism, accident, Acts of God, or neglect

C) Defects or damage due to physical, chemical or liquid damage (Liquid damage is covered on units ordered with the H499/H64 ruggedized option ONLY)

D) Improper disassembly, testing, operation, maintenance, installation, modification, adjustment, alteration or repair.

This plan also excludes:

A) Radio frequency coverage or range over which the equipment will transmit and receive signals.
B) Upgrades and reprogramming.
C) Local services or annual maintenance required for maintaining normal operation of the equipment.
D) Scratches or cosmetic damage to equipment surfaces that does not affect operation.
E) Inbound freight insurance charges for declared values in excess of $100 on inbound shipments.

REQUESTING SERVICE

Customer must complete the repair request form for the designated Motorola service facility and include a copy in the box with the equipment sent for repair. The repair request form is available on Motorola OnLine at https://businessonline.motorolasolutions.com or upon request by calling a Motorola customer service representative at 1-800-227-6772.
Federal Government Customers should call 1-800-969-6680. Mobile control heads or accessory items sent in must reference the serial number of the main unit. If desired, Customer may supply Motorola with a 3.5" backup diskette with the software template or programming in order to assist in returning.

CANCELLATION

The plan is paid in full at the time of purchase and is non-cancelable and non-refundable.

GENERAL PROVISIONS

THERE ARE NO WARRANTIES EXPRESS OR IMPLIED REGARDING REPAIR SERVICE ADVANTAGE, INCLUDING, WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. LIMITATION OF LIABILITY: NOTWITHSTANDING ANY OTHER PROVISION, EXCEPT FOR PERSONAL INJURY, MOTOROLA'S TOTAL LIABILITY FOR LOSSES ARISING OUT OF OR RELATED TO THIS PLAN WHETHER FOR BREACH OF CONTRACT, NEGLIGENCE, WARRANTY, STRICT LIABILITY IN TORT, OR OTHERWISE, IS LIMITED TO THE PRICE OF TWELVE (12) MONTHS OF SERVICES PROVIDED UNDER THE PLAN FOR THE PARTICULAR EQUIPMENT COVERED. IN NO EVENT WHETHER FOR BREACH OF CONTRACT, WARRANTY, OR OTHERWISE, WILL MOTOROLA BE LIABLE FOR INCIDENTAL, SPECIAL, INDIRECT, PUNITIVE, OR CONSEQUENTIAL DAMAGES TO THE FULL EXTENT SUCH MAY BE DISCLAIMED BY LAW INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFIT OR REVENUE, LOSS OF USE OF THE PRODUCTS OR ANY ASSOCIATED EQUIPMENT, LOSS OF DATA, COST OF CAPITAL, COST OF SUBSTITUTE PRODUCT (S), FACILITIES OR SERVICES, OR DOWN TIME COSTS OR FOR ANY CLAIM AGAINST CUSTOMER BY ANY PARTY. EXCEPT FOR MONEY DUE UPON AN OPEN ACCOUNT, NO ACTION SHALL BE BROUGHT FOR ANY BREACH OF THESE PLANS MORE THAN ONE (1) YEAR AFTER THE ACCRUAL OF SUCH CAUSE OF ACTION.

GENERAL TERMS

A) If any court renders any portion of this plan unenforceable, the remaining terms will continue in full force and effect.
B) This plan and the rights and duties of the parties will be governed and interpreted in accordance with the laws of the State of Illinois.
C) Failure to exercise any right will not operate as a waiver of that right, power, or privilege.
D) Neither party is liable for delays or lack of performance resulting from any causes such as strikes, material shortages, or acts of God that are beyond that party's reasonable control.
E) These terms and conditions may not be altered, amended, or modified.
F) Neither party will be bound by any terms contained in Customer's purchase orders, acknowledgements or other writings.

CUSTOMER SUPPORT

For questions pertaining to SfS LITE, such as equipment covered or duration of coverage available, please contact your account representative or Motorola at 1-800-227-6772.

DTR650™ Portable

Standard Package Includes:
- Standard Battery - Li-ion, 1500 mAh Battery, 3.6V (53964)
- Standard Charger - 1 Hour Rapid Charger (53969)
- Drop-In Charging Tray (53962)
- Stubby 900 Antenna (8505241U06)
- Swivel Belt Holster (53961)
- CD-Rom User Guide
- Quick Reference Card
- One Year Warranty

Product Features:
- 900 MHz ISM Frequency-Hopping Digital Spread Spectrum
- 12 Alert Tones plus VibraCall™
- Battery Meter
- License Free Communication
- Backlit Display
- Private Calling: One-to-One Communication
- Public Group Calling: One-to-Many (up to 100 Group IDs)
- Private Group Calling: One-to-Many (selected from Contacts)
- Public Group Scan with Scan List
- Remote Disable
- Remote Monitoring
- Remote Time / Date Update
- SMS (Short Messaging Service), 5-10 Quick notes
- Contact List: Capacity 150 Shared Private / Public Group / Private Group
- CPS Required to Modify Quick Notes

Programmable Features:
- Call Tones
- Monitor
- OTA fleet cloning
- Accessory Talk Permit Tone (TFT) independent volume control
- Disable Radio PTT when using accessory with remore PTT
- Option to disable front-panel radio programming
- Cloning copies all configuration
- Read Private ID (reads fields other than just PID)

Quantity Discount Program

This product is eligible for Quantity Discount. Quantity discounts are calculated and granted at the time a new order is placed. Additional units added to the order after the fact will be a single unit price.
Deletion of units from order or cancellation of line items consequent on actual units shipped being less than requirement for quantity discount will result in a charge to dealer account for the difference in price.

Models

Model #	Band Split	Band	Power	Conv. Channels	Display	Keypad	MSRP
AAH73WCF9NA5_N	N/A	900 MHz	On-Site Digital	N/A	Yes	Limited	$350.00

CP200d™ Portable

Standard Package Includes:
- Standard Battery (Li-ion, 2250 mAh, 7.5V - NNTN4497_R)
- Standard Charger (90 Minute Rapid Rate - WPLN4138_R)
- Standard Antenna (VHF Heliflex NAD6502_R / UHF Whip PMAE4016)
- 3" Belt Clip (HLN8255)
- 2-Year Standard Warranty

Product Features:
- 6.25e / 12.5 kHz only Channel Spacing
- 2 Programmable Side Buttons
- LED Battery Indicator

Analog Features:
- Companding X-Pand™ Technology
- Time-Out-Timer
- Busy Channel Lockout
- Internal VOX
- Single Priority Scan
- Adjustable Power Levels
- MDC1200 PTT ID (Encode)
- Quik Call II Call Alert (Decode)
- Quik Call II Selective Call (Decode)

Digital Features:
- Optional for Analog models
- Standard for Digital models
- Basic Privacy
- Radio Check (Decode)
- Remote Monitor (Decode)
- Radio Inhibit (Decode)
- Dual Priority Scan
- Transmit Interrupt (Decode)

Programmable Features:
- High / Low Power
- Channel Scan
- LED Battery Indicator
- Squelch Levels
- Repeater / Talkaround
- Volume Set
- Tight / Normal Squelch
- VOX On / Off
- Nuisance Channel Delete
- Voice Announcement Scan (Digital Mode)

Frequencies Not Allowed:
All self-quieter frequencies are +/- 5kHz

VHF	UHF
144.000	420.000
153.600	440.000
172.800	

Analog Models

Model #	Band Split	Band	Power	Conv Chan	Display	Keypad	MSRP
AAH01JDC9JC2_N	136-174 MHz	VHF	5W	16	No	No	$482.76
AAH01QDC9JC2_N	403-470 MHz	UHF	4W	16	No	No	$517.24

Digital Models

Model #	Band Split	Band	Power	Conv Chan	Display	Keypad	MSRP
AAH01JDC9JA2_N	136-174 MHz	VHF	5W	16	No	No	$565.76
AAH01QDC9JA2_N	403-470 MHz	UHF	4W	16	No	No	$600.24

CP200d™ Portable

Options: TO COMPLETE AN ORDER YOU MUST SELECT ONE (1) CHOICE FOR EACH OPTION

Battery Options

Options	Description	MSRP
STDBAT0752	Standard Battery - Li-Ion, 2250 mAh Battery (NNTN4497_R)	$0.00
QA03815	Slim Li-Ion, 1600 mAh Battery (NNTN4970)	$0.00
QA03816	NiMH, 1400 mAh Battery (NNTN4851)	$0.00

Antenna Options

Options	Description	MSRP
STDANT0752	Standard Whip Antenna (UHF-PMAE4016, VHF-NAD6502_R)	$0.00
QA00194	VHF Stubby Antenna, 146-162 MHz (HAD9742)	$0.00
QA00189	VHF Stubby Antenna, 162-174 MHz (HAD9743)	$0.00
QA03800	UHF Stubby Antenna, 403-433 MHz (PMAE4002)	$0.00
QA00190	UHF Stubby Antenna, 430-480 MHz (PMAE4003)	$0.00
H112	Omit Antenna	-$3.50

Charger Options

Options	Description	MSRP
STDCHG0752	Standard Charger - 90 Minute Rapid Rate w/ Switch Mode Power Supply (WPLN4138_R)	$0.00
H951	Omit Standard Charger	$15.00

Shipping Options

Options	Description	MSRP
STDBOX0752	Standard Model Box	$0.00
H415	Bulk Packaging	$0.00

Warranty Options

Options	Description	MSRP
STDWAR0752	Standard 2-Year Warranty	$0.00

CP200d™ Portable

General Options

Options	Description	MSRP
QA00531	Remote Speaker Microphone with Ear Jack, Coiled Cord and Swivel Clothing Clip (PMMN4013)	$73.50
QA00532	Remote Speaker Microphone with IP57 Rating, Coiled Cord and Swivel Clothing Clip (PMMN4029)	$75.00
QA04002	Lightweight Headset with Swivel Boom Microphone (PMLN6538)	$60.00
HKVN4223	Analog to Digital Upgrade	$83.00
Q884	1 Year Service from the Start - LITE (US Only)	$34.00
H885	2 Year Service from the Start - LITE (US Only)	$65.00
H886	3 Year Service from the Start - LITE (US Only)	$97.00

Service from the Start LITE

SfS LITE 1, 2 or 3 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.

For technical training on Motorola products, please visit: www.motorolasolutions.com/government/techtraining

FCC/IC Information:

(136-174 MHz) ABZ99FT3092 / 109AB-99FT3092
(403-470 MH z) ABZ99FT4094 / 109AB-99FT4094

Environmental Specifications:

Operating Temperature: -30° to +60° C (Radio Only)
Sealing: IP54

VL50™ Portable

Standard Package Includes:

- Standard Battery (1100 mAh Li-ion, 3.6V - 56557)
- Standard Charger (120V Double Unit Charger - 56553)
- Swivel Belt Holster (HCLN4013)
- User Guide (6881096C37)
- One Year Warranty

Product Features:

- Up to 8 Channels
- 12.5 kHz Channel Spacing
- Scan
- 83 DPL, 38 PL Codes
- VibraCall Alert
- Battery Meter
- Radio Signal Strength Indicator
- Enhanced VOX (No accessory needed)
- 7 Selectable Call Tones

Default Frequencies:

UHF

464.5000	467.8500
464.5500	467.8750
467.7625	467.9000
467.8125	467.9250

Models

Model #	Band Split	Band	Power	Conv Chan	Display	Keypad	MSRP
P24VPC03D2_A	464.5-467.9 MHz	UHF	1W	8	Yes	No	$255.00

CP110™ Portable

Standard Package Includes:
- 2200 mAh Li-ion Rechargeable Battery
- 3-Hour Drop-In Charging Tray (RLN6304)
- Power Supply Adaptor (PMPN4005)
- Removable AC Pin (RLN6349)
- Spring Belt Clip (RLN6307)
- User's Guide
- Safety Leaflet
- 1 (one) Year Limited Warranty

Product Features:
- 12.5 kHz only Channel Spacing
- 1 and 2W Power
- Two (2) or five (5) programmable buttons
- Auto-Scan
- 3 Voice-Inversion Scramble
- Channel Scan with Selectable Scan List
- 3 Audible Call Tones
- VOX
- Front Panel Programming
- Operates on alkaline batteries for emergency situations (optional accessory RLN6306 required)

Display Model additional features:
- Battery Gauge
- iVOX (Hands Free Without Accessories)
- Keypad Lock
- Channel Alias
- Programmable Backlight

Configurable Features:
- Call Tones
- Monitor
- Scan/Nuisance Channel Delete
- TX Power Select

Default Frequencies:
157.6800 464.475

Models

Model #	Band Split	Band	Power	Conv Chan	Display	Keypad	MSRP
H96KCC9AA2_A	150.8-174 MHz	VHF	2W	2	No	No	$267.00
H96RCC9AA2_A	450-470 MHz	UHF	2W	2	No	No	$297.00
H96KCF9AA2_A	150.8-174 MHz	VHF	2W	16	Yes	Limited	$310.00
H96RCF9AA2_A	450-470 MHz	UHF	2W	16	Yes	Limited	$340.00

CP110™ Portable

General Options

Options	Description	MSRP
Q884	1 Year Service from the Start - LITE (US Only)	$34.00
H885	2 Year Service from the Start - LITE (US Only)	$65.00
H886	3 Year Service from the Start - LITE (US Only)	$97.00

Service from the Start LITE

SfS LITE 1, 2 or 3 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.

For technical training on Motorola products, please visit: www.motorolasolutions.com/government/techtraining

FCC Information:

UHF: AZ489FT4880
VHF: AZ489FT3819

Environmental Specifications:

Operating Temperature: -30° to +60° C (Radio Only)
Sealing: IP55

CP110™ MURS Portable

Standard Package Includes:
- 2200 mAh Li-ion Rechargeable Battery
- 3-Hour Drop-In Charging Tray (RLN6304)
- Power Supply Adaptor (PMPN4005)
- Removable AC Pin (RLN6349)
- Spring Belt Clip (RLN6307)
- User's Guide
- Safety Leaflet
- 1 (one) Year Limited Warranty

Product Features:
- No Individual Station Frequency License Required
- 2W Power
- 3 Voice-Inversion Scramble
- Channel Scan with Selectable Scan List
- 3 Audible Call Tones
- VOX
- 5 Fixed MURS Frequencies
- Operates on alkaline batteries for emergency situations (optional accessory RLN6306 required)

CP110d Display Model:
- Up to 8 Channels
- 5 Configurable Buttons
- Battery Gauge
- Signal Strength Indicator
- Keypad Lock
- iVOX
- Channel Aliasing (up to 8 characters)

CP110 Non-Display:
- 2 Channels
- 2 Configurable Buttons
- Auto-Scan

Configurable Buttons:
- Call Tones
- Monitor
- Scramble
- Scan/Nuisance Channel Delete

MURS Frequencies	Authorized Bandwidth
151.820 MHz	11.25 kHz
151.880 MHz	11.25 kHz
151.940 MHz	11.25 kHz
154.570 MHz	20.0 kHz
154.600 MHz	20.0 kHz

What is the MURS Frequency Band?

The MURS frequency band consist of five VHF shared frequencies designated for private, two-way, short-distance voice or data communications for personal or business activities within the United States for which no individual station licenses are required.

There is no frequency coordination or license requirement for the use of radio transceivers on MURS frequencies. These channels 151.820 MHz 11.25 kHz are available for use on a "shared" basis by the general public.

While there is no licensing requirement for MURS operation, the Federal Communications Commission (FCC) does define certain rules and regulations related to the use of radio transmitters on MURS frequencies. These rules are identified within Part 95 under Tile 47 of the US Code of Federal Regulations.

Models

Model #	Band Split	Band	Power	Conv Chan	Display	Keypad	MSRP
H96MCC9AA2_A	MURS	VHF	2W	2	No	No	$267.00
H96MCD9AA2_A	MURS	VHF	2W	8	Yes	Limited	$310.00

CP110™ MURS Portable

General Options

Options	Description	MSRP
Q884	1 Year Service from the Start - LITE (US Only)	$34.00
H885	2 Year Service from the Start - LITE (US Only)	$65.00
H886	3 Year Service from the Start - LITE (US Only)	$97.00

Service from the Start LITE

SfS LITE 1, 2 or 3 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.

For technical training on Motorola products, please visit: www.motorolasolutions.com/government/techtraining

FCC Information:

VHF: AZ489FT3823

Environmental Specifications:

Operating Temperature: -30° to +60° C (Radio Only)

Sealing: IP55

BPR™ 40 Portable

Standard Package Includes:
- 8 Channel Model (Mag One Battery NiMH, 1200 mAh - PMNN4071_R
- 16 Channel Model (Mag One Battery Li-ion, 1500 mAh - PMNN4075_R
- Mag One Tri - Chemistry Rapid Charger Kit (includes PMLN5041_R Base/EPNN9288 - Power Supply with AC Cord - PMLN5048_R)
- Mag One Antenna (VHF PMAD4051_R / UHF PMAE4020_R)
- Mag One Spring Belt Clip (PMLN4743)
- Operating Instruction Manual
- Warranty:
  - Portable: One Year
  - Mag One Accessories (except batteries): Six Months
  - All Other Accessories (includes Mag One Battery and Motorola accessories): One Year

Product Features:
- 8 or 16 Channels
- 12.5 kHz only Channel Spacing
- 2 Programmable Buttons
- Adjustable Power Levels (ships with 1W)
- Priority Scan
- Small Size and Light Weight

Programmable Features:
- Nuisance Channel Delete
- PL/DPL Enable
- High/Low Power
- Volume Set
- Scan
- Talkaround

Frequencies Not Allowed:

VHF	UHF
158.91000	453.46500
173.27500	457.15000
173.26875	460.84375
	464.52500
	469.11500

Default Frequencies:

VHF	UHF
151.625	464.500

Additional frequencies can be added using the Customer Programming Software

All frequencies must be divisible by 5.0 or 6.25 kHz

Caution: Frequencies on the VHF band in the US have been assigned by the FCC with channel centers every 7.5 kHz, which means some of these frequencies are not evenly divisible by 6.25 kHz or 5 kHz. In order for a radio to be able to synthesize frequencies that are not evenly divisible by 6.25 kHz or 5 kHz, it requires a more sophisticated synthesizer and hardware than the one offered with this model.

Models

Model #	Band Split	Band	Power	Conv Chan	Display	Keypad	MSRP
AAH84KDS8AA1_N	150-174 MHz	VHF	5W	8	No	No	$233.00
AAH84KDJ8AA1_N	150-174 MHz	VHF	5W	16	No	No	$258.00
AAH84RCS8AA1_N	450-470 MHz	UHF	4W	8	No	No	$250.00
AAH84RCJ8AA1_N	450-470 MHz	UHF	4W	16	No	No	$275.00

BPR™ 40 Portable

General Options

Options	Description	MSRP
Q884	1 Year Service from the Start - LITE (US Only)	$34.00
H885	2 Year Service from the Start - LITE (US Only)	$65.00
H886	3 Year Service from the Start - LITE (US Only)	$97.00

Service from the Start LITE

SfS LITE 1, 2 or 3 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.

For technical training on Motorola products, please visit: www.motorolasolutions.com/government/techtraining

FCC/IC Information:

VHF: AZ489FT3810 / 109U-89FT3810

UHF: AZ489FT4873 / 109U-89FT4873

Environmental Specifications:

Operating Temperature: -30° C to +60° C (Radio Only)

Sealing: IPX4

CP185™ Portable

Standard Package Includes:
- Standard Battery (Li-Ion, 1500 mAh, 7.4V - PMNN4081_R)
- Rapid Rate Charger (< 3 Hours - PMLN5398)
- Standard Antenna (VHF Heliflex NAD6502_R / UHF Stubby PMAE4003_R) ***See General Notes***
- 2" Spring Action Belt Clip (HLN9844)
- Quick Reference Guide (68007024011)
- 2 Year Warranty

Product Features:
- Built-in Simple Voice Scrambling
- Internal VOX
- 12.5 kHz only Channel Spacing
- Companding-Expanding (X-Pand™)
- 8-Character Alphanumeric Display
- 16 Channels
- 2 Programmable Side Buttons
- 3 Programmable Front Buttons
- Front Pannel Feature and Button Configuring Mode
- Battery Saver
- Normal and Priority Scan (1 List)
- Multi-Channel Capability
- High Power
- Talkaround Capability
- Ergonomically Designed
- Busy Channel Lockout
- Low Battery Alert
- Receive Only Channel

Programmable Features:
- Backlight
- Channel Alias
- Channel Scan
- Keypad Lock
- Monitor
- Nuisance Channel Delete
- Power Level
- Repeater / Talkaround
- Reverse Burst
- Scrambling Code Select
- Scrambling On/Off
- Squelch Level
- Sticky Monitor
- TPL/DPL Enable
- Volume Set
- VOX On / Off

Default Frequencies:
157.680 464.475

Additional frequencies can be added using the CPS. All frequencies must be divisible by 5.0 or 6.25 kHz.

Caution: Frequencies on the VHF band in the US have been assigned by the FCC with channel centers every 7.5 kHz, which means some of these frequencies are not evenly divisible by 6.25 kHz or 5 kHz. In order for a radio to be able to synthesize frequencies that are not evenly divisible by 6.25 kHz or 5 kHz, it requires a more sophisticated synthesizer and hardware than the one offered with this model.

Frequencies Not Allowed:

140.000	155.175	167.030	446.440	460.000
155.010	155.505	169.995	446.445	467.785
155.050	159.995	170.000	455.895	467.900
155.030	160.000	170.005	456.010	468.010
155.015	160.005	173.985	456.015	468.125
155.170	161.450	173.990	456.125	468.240
155.180	167.025		458.195	470.000
				479.900

Models

Model #	Band Split	Band	Power	Conv Chan	Display	Keypad	MSRP
AAH03KEF8AA7_N	136-174 MHz	VHF	2-5W	16	Yes	Limited	$315.00
AAH03RDF8AA7_N	435-480 MHz	UHF	2-4W	16	Yes	Limited	$332.00

CP185™ Portable

Options: TO COMPLETE AN ORDER YOU MUST SELECT ONE (1) CONFIGURATION OPTION

Configuration Options

Options	Description	MSRP
STDPKG0133	Li-Ion 1500 mAh Battery (PMNN4081A)	$0.00
QA01113	Li-Ion High Cap.2150 mAh Battery (PMNN4080)	$17.00
QA01114	NiMH 1300 mAh Battery (PMNN4082)	-$5.00

General Options

Options	Description	MSRP
HA00041	Retail Temple Transducer (PMLN5003)	$79.00
QA00531	Remote Speaker Microphone with Ear Jack, Coiled Cord and Swivel Clothing Clip (PMMN4013)	$73.50
QA00532	Remote Speaker Microphone with IP57 Rating, Coiled Cord and Swivel Clothing Clip (PMMN4029)	$75.00
QA01116	Lightweight Single Muff Adjustable Headset w/Swivel Boom Microphone (HMN9013)	$65.00
QA01117	UHF Whip (16.5 cm) 430-520Mz (NAE6483)	$11.25
QA01315	VHF Stubby (9 cm) 136-155 MHz (PMAD4012)	$9.75
QA01316	VHF Stubby (9 cm) 155-174 MHz (PMAD4013)	$9.75
QA01318	VHF Heliflex 136-162 MHz (HAD9338)	$10.50
Q884	1 Year Service from the Start - LITE (US Only)	$34.00
H885	2 Year Service from the Start - LITE (US Only)	$65.00
H886	3 Year Service from the Start - LITE (US Only)	$97.00

Service from the Start LITE

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General Notes

The UHF Stubby standard antenna PMAE4003_R, provides a coverage range of 430 to 470 MHz. Should you need coverage up to 480 MHz, the QA01117 antenna option must be ordered

For technical training on Motorola products, please visit: www.motorolasolutions.com/government/techtraining

FCC Information:

VHF: AZ489FT3882
VHF: AZ489FT4883

Environmental Specifications:

Operating Temperature: -30° to +60° C (Radio Only)
Sealing: IP55

CP200™ Portable

Standard Package Includes:
- Standard Battery (Li-ion, 2250 mAh, 7.5V - NNTN4497_R)
- Standard Charger (90 Minute Rapid Rate - WPLN4138_R)
- Standard Antenna (VHF Heliflex NAD6502_R / UHF Whip NAE6483_R)
- 3" Belt Clip (HLN8255)
- 2 Year Warranty

Product Features:
- 12.5 kHz only Channel Spacing
- 2 Programmable Side Buttons
- Companding X-Pand™ Technology
- Time-Out-Timer
- Busy Channel Lockout
- Internal VOX
- Single Priority Scan
- Adjustable Power Levels
- MDC1200 PTT ID (Encode)
- Quik Call II (Decode)
- Quik Call II Call Alert (Decode)
- Quik Call II Selective Call (Decode)

Programmable Features:
- High / Low Power
- Channel Scan
- LED Battery Indicator
- Squelch Levels
- Repeater / Talkaround Volume Set
- Tight / Normal Squelch
- VOX On / Off
- Nuisance Channel Delete

Default Frequencies:

VHF	UHF
142.000	437.600
151.625	466.000
	469.900

Frequencies Not Allowed:

VHF	UHF		
151.194	403.194	443.938	470.400
151.200	403.200	443.944	470.406
151.206	403.206	443.950	488.333
167.994	436.794	443.956	488.339
168.000	436.800	443.963	488.345
168.006	436.806	443.969	488.351
	443.931	470.394	488.358

Models

Model #	Band Split	Band	Power	Conv Chan	Display	Keypad	MSRP
AAH50KDC9AA1_N	146-174 MHz	VHF	5W	4	No	No	$447.00
AAH50KDC9AA2_N	146-174 MHz	VHF	5W	16	No	No	$482.00
AAH50RDC9AA1_N	438-470 MHz	UHF	4W	4	No	No	$482.00
AAH50RDC9AA2_N	438-470 MHz	UHF	4W	16	No	No	$517.00

CP200™ Portable

Options: TO COMPLETE AN ORDER YOU MUST SELECT ONE (1) CONFIGURATION OPTION

Configuration Options

Options	Description	MSRP
STDPKG0018	Li-ion, 2250 mAh, 7.5V Battery (NNTN4497) and 90 Minute Rapid Rate Charger (WPLN4138_R)	$0.00
QA00745	NiMH, 1400 mAh, 7.5V Battery (NNTN4851) and 90 Min. Rapid Rate Charger with Switch Mode Power Supply (WPLN4138_R)	$0.00
QA00748	Slim Li-ion, 1600 mAh, 7.2V Battery (NNTN4970) and 90 Minute Rapid Rate Charger with Switch Mode Power Supply (WPLN4138_R)	$0.00
Q648	Slim Li-ion, 1600 mAh, 7.5V Battery (NNTN4970) and No Charger	-$15.00
Q653	Li-ion, 2250 mAh, 7.5V Battery (NNTN4497_R) and No Charger	-$15.00
Q878	NiMH, 1400 mAh, 7.5V Battery (NNTN4851) and No Charger	-$15.00

General Options

Options	Description	MSRP
HA00041	Retail Temple Transducer (PMLN5003)	$79.00
QA00098	Earbud with Clip Microphone and PTT, Transmit & Receive (2-wire - not recommended for use with PL codes above 225 Hz - HMN9036)	$40.00
QA00099	Ultra-Light Headset, Behind-the-Head with In-Line PTT and Boom Microphone (RLN5411)	$60.00
QA00189	VHF 162-174 MHz, 3" Stubby Antenna (HAD9743)	$9.75
QA00190	UHF 440-470 MHz, 3" Stubby Antenna (NAE6522_R)	$11.25
QA00194	VHF 146-162 MHz, 3" Stubby Antenna (HAD9742)	$9.75
QA00531	Remote Speaker Microphone with Ear Jack, Coiled Cord and Swivel Clothing Clip (PMMN4013)	$73.50
QA00532	Remote Speaker Microphone with IP57 Rating, Coiled Cord and Swivel Clothing Clip (PMMN4029)	$75.00
QA01424	Add Printed User Guide	$0.00
Q884	1 Year Service from the Start - LITE (US Only)	$34.00
H885	2 Year Service from the Start - LITE (US Only)	$65.00
H886	3 Year Service from the Start - LITE (US Only)	$97.00

Service from the Start LITE

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FCC/IC Information:

(136-162 MHz) ABZ99FT3039 / 109AB-99FT3039
(146-174 MHz) ABZ99FT3045 / 109AB-99FT3045
(403-440 MHz) ABZ99FT4057 / 109AB-99FT4057
(438-470 MHz) ABZ99FT4056 / 109AB-99FT4056
(465-495 MHz) ABZ99FT4058 / 109AB-99FT4058

Environmental Specifications:

Operating Temperature: -30° to +60° C (Radio Only)
Sealing: IP54

CP200™ XLS Portable

Standard Package Includes:
- Li-ion Battery, 2250 mAh, 7.2V (NNTN4497_R)
- 120 Volt - 90 Minute Rapid Rate Charger Kit (WPLN4138_R)
- Antenna VHF Heliflex (NAD6502_R) / UHF Whip (NAE6483_R)
- 3" Belt Clip (HLN8255)
- Quick Reference Guide/Safety & Warranty Booklet (68009327001)
- 2 Year Warranty

Product Features:
- 128 Conv. Channels
- 12.5 kHz only Channel Spacing
- 8 Character Alphanumeric Display
- 4 Programmable Buttons
- Companding X-Pand™ Technology
- Dual Priority Scan

Signaling Features (Conventional Mode Only):
- MDC1200 PTT ID (Numeric ID - Encode/Decode)
- MDC1200 Radio Check (Decode)
- MDC1200 Selective Radio Inhibit (Decode)
- MDC1200 Selective Call (Encode/Decode)
- Quik Call II Selective Call (Encode/Decode)
- Quik Call II Call Alert (Encode/Decode)
- DTMF PTT ID (Encode)
- DTMF Selective Call (Encode)

Programmable Features:
- 2 Memory Channels
- Channel Scan
- Monitor
- PL/DPL Edit
- Tight / Normal Squelch
- VOX On / Off
- Battery Indicator
- High / Low Power
- Nuisance Channel Delete
- Repeater / Talkaround
- Volume Set

LTR® Features:
- Up to 10 Sites & 100 Talkgroups
- Up to 20 Repeaters per Site
- Up to 16 Universal IDs per System
- UHF and VHF Frequencies
- Combined System Scan
- User Programmable Scan & Phone Lists
- Data Operated Squelch (DOS)

Frequencies Not Allowed:

VHF	UHF			
151.19375	403.20000	436.80000	443.95625	488.32625
168.00000	403.20625	436.80625	443.96250	488.33250
151.20000	403.49375	443.93125	443.96875	488.33875
168.00625	419.99375	443.93750	470.39375	488.34500
151.20625	420.00000	443.94375	470.40000	488.35125
167.99375	436.79375	443.95000	470.40625	488.35750

420.00625 (420 MHz +/- 6.25 kHz)
488.36375 (488.345 MHz +/- 18.75 kHz)

Default Frequencies

VHF

142.000 469.900

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Models

Model #	Band Split	Band	Power	Conv Chan	Display	Keypad	MSRP
AAH50JDF9AA5_N	136-162 MHz	VHF	5W	128	Yes	Limited	$448.00
AAH50KDF9AA5_N	146-174 MHz	VHF	5W	128	Yes	Limited	$448.00
AAH50KDH9AA6_N	146-174 MHz	VHF	5W	128	Yes	Full	$483.00
AAH50QDF9AA5_N	403-440 MHz	UHF	4W	128	Yes	Limited	$483.00
AAH50RDF9AA5_N	438-470 MHz	UHF	4W	128	Yes	Limited	$517.00
AAH50RDH9AA6_N	438-470 MHz	UHF	4W	128	Yes	Full	$483.00
AAH50SDF9AA5_N	465-495 MHz	UHF	4W	128	Yes	Limited	$507.15

CP200™ XLS Portable

Options: TO COMPLETE AN ORDER YOU MUST SELECT ONE (1) CONFIGURATION OPTION

Configuration Options

Options	Description	MSRP
STDPKG0018	Li-ion, 2250 mAh, 7.5V Battery (NNTN4497) and 90 Minute Rapid Rate Charger (WPLN4138_R)	$0.00
QA00745	NiMH, 1400 mAh, 7.5V Battery (NNTN4851) and 90 Min. Rapid Rate Charger with Switch Mode Power Supply (WPLN4138_R)	$0.00
QA00748	Slim Li-ion, 1600 mAh, 7.2V Battery (NNTN4970) and 90 Minute Rapid Rate Charger with Switch Mode Power Supply (WPLN4138_R)	$0.00
Q648	Slim Li-ion, 1600 mAh, 7.5V Battery (NNTN4970) and No Charger	-$10.00
Q653	Li-ion, 2250 mAh, 7.5V Battery (NNTN4497_R) and No Charger	-$5.00
Q878	NiMH, 1400 mAh, 7.5V Battery (NNTN4851) and No Charger	-$20.00

CP200™ XLS Portable

General Options

Options	Description	MSRP
HA00041	Retail Temple Transducer (PMLN5003)	$79.00
QA00098	Earbud with Clip Microphone and PTT, Transmit & Receive (2-wire - not recommended for use with PL codes above 225 Hz - HMN9036)	$40.00
QA00099	Ultra-Light Headset, Behind-the-Head with In-Line PTT and Boom Microphone (RLN5411)	$60.00
QA00189	VHF 162-174 MHz, 3" Stubby Antenna (HAD9743)	$9.75
QA00190	UHF 440-470 MHz, 3" Stubby Antenna (NAE6522_R)	$11.25
QA00191	UHF 470-512 MHz, 3" Stubby Antenna (8505816K26)	$11.25
QA00194	VHF 146-162 MHz, 3" Stubby Antenna (HAD9742)	$9.75
QA00531	Remote Speaker Microphone with Ear Jack, Coiled Cord and Swivel Clothing Clip (PMMN4013)	$73.50
QA00532	Remote Speaker Microphone with IP57 Rating, Coiled Cord and Swivel Clothing Clip (PMMN4029)	$75.00
QA01424	Add Printed User Guide	$0.00
Q884	1 Year Service from the Start - LITE (US Only)	$34.00
H885	2 Year Service from the Start - LITE (US Only)	$65.00
H886	3 Year Service from the Start - LITE (US Only)	$97.00

Service from the Start LITE

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FCC/IC Information:

(VHF 136-162 MHz) ABZ99FT3039 / 109AB-99FT3039
(VHF 146-174 MHz) ABZ99FT3045 / 109AB-99FT3045
(UHF 403-440 MHz) ABZ99FT4057 / 109AB-99FT4057
(UHF 438-470 MHz) ABZ99FT4056 / 109AB-99FT4056
(UHF 465-495 MHz) ABZ99FT4058 / 109AB-99FT4058

Environmental Specifications

Operating Temperature: -30° to +60° C
Sealing: IP54

Portable Accessories

Antennas

VL50	CP110	DTR650	BPR40	CP185	CP200	CP200d	CP200XLS	Model No.	Description	MSRP
				X				8504762J02	VHF Helical Antenna 155-174 MHz (14 cm)	$13.50
		X						8505241U04	896-941 MHz 1/2 Wave Whip Antenna	$35.75
		X						8505241U06	806-941 MHz 1/4 Wave Stubby Antenna	$25.50
						X		8505816K24	UHF Heliflex Stubby, 403-440 MHz	$12.25
				X				HAD9338_R	VHF Heliflex Antenna, 136-162 MHz	$11.75
				X	X	X	X	HAD9742	VHF Stubby Antenna, 146-162 MHz	$10.75
				X	X	X	X	HAD9743	VHF Stubby Antenna, 162-174 MHz	$10.75
				X	X	X	X	NAD6502_R	VHF Heliflex Antenna, 146-174 MHz	$11.75
				X				NAD6579	VHF Whip Antenna, 148-161 MHz (Enhanced Performance, 7.5")	$13.50
					X	X	X	NAE6522_R	UHF Heliflex Stubby Antenna, 438-470 MHz	$12.25
				X		X		PMAD4012	VHF Stubby Antenna, 136-155 MHz (Red Color Code)	$13.25
				X				PMAD4013	VHF Stubby Antenna, 155-174 MHz (Black Color Code)	$13.25
				X		X		PMAD4014	VHF Helical Antenna, 136-155 MHz (14cm)	$13.50
						X		PMAD4042	VHF Heliflex, 136-150.8 MHz	$17.80
			X					PMAD4051_R	Mag One VHF Antenna, 150-174 MHz	$9.25
						X		PMAE4002	UHF Stubby Antenna, 403-433 MHz (9cm)	$11.25
				X		X		PMAE4003	UHF Stubby Antenna, 430-470 MHz (9cm)	$11.25
				X				PMAE4006	UHF Stubby Antenna, 465-490 MHz (9cm)	$14.75
						X		PMAE4016	UHF Whip Antenna, 403-520 MHz	$11.75
			X					PMAE4020_R	Mag One UHF Stubby Antenna, 450-470 MHz	$9.25
	X							RAN4031	UHF Whip Antenna, 403-470 MHz	$20.00
	X							RAN4033	UHF Stubby Antenna, 450-470 MHz	$20.00
	X							RAN4041	VHF Helical Antenna, 146-174 MHz	$20.00

Batteries

VL50	CP110	DTR650	BPR40	CP185	CP200	CP200d	CP200XLS	Model No.	Description	MSRP
		X						53963	Li-ion, 1200 mAh, 3.6V Battery	$45.00
		X						53964	Li-ion, 1500 mAh, 3.6V Battery	$70.00
X								56557	Li-ion, 1100 mAh, 3.6V Battery	$34.95
					X	X	X	NNTN4497_R	Li-ion, 2250 mAh, 7.5V Battery (only comp. with WPLN4138_R, WLN4161_R & NNTN8353)	$85.00
					X	X	X	NNTN4851	NiMH, 1400 mAh, 7.5V Battery (comp. with WPLN4138_R , WLN4161_R & NNTN8353)	$63.00
					X			NNTN4852	NiMH, 1300 mAh, 7.5V Battery - Intrinsically Safe (FM) - (only compatible with WPLN4138_R, WPLN4161_R & NNTN8353)	$110.00
					X	X		NNTN4970	Slim Li-ion, 1600 mAh, 7.2V Battery (comp. with WPLN4138_R, WLN4161_R & NNTN8353)	$105.00
			X					PMNN4071_R	Mag One NiMH, 1200 mAh Battery	$35.00
			X					PMNN4072	NIMH Mag One Battery (1300 mAh)	$35.00
			X					PMNN4075_R	Mag One Li-ion, 1500 mAh Battery (comp. with PMLN5041_R charger base and PMLN5048_R charger kit only)	$53.00
				X				PMNN4080	Li-ion High Capacity 2150 mAh 7.4V Battery	$69.00
				X				PMNN4081	Li-ion 1500 mAh 7.4V Battery	$58.00
				X				PMNN4082	NiMH 1300 mAh 7.4V Battery	$52.00
					X	X		PMNN4458_R	MagOne Li-Ion, 2050 mAh Battery	$59.00
	X							RLN6306	Alkaline Battery Shell	$45.00

Portable Accessories

Batteries

VL50	CP110	DTR650	BPR40	CP185	CP200	CP200d	CP200XLS	Model No.	Description	MSRP
	X							RLN6308	Ultra High Capacity Li-ion Battery (component P/N 60012000001)	$110.00
	X							RLN6351	Standard Li-ion Battery	$80.00

Call Boxes - A1

VL50	CP110	DTR650	BPR40	CP185	CP200	CP200d	CP200XLS	Model No.	Description	MSRP
					X		X	RRDN4362	Solar Wall or Pole Mounted	$2,565.00
					X		X	RRDN4363	AC/DC Wall or Pole Mounted	$2,465.00
					X		X	RRDN4365	Solar Powered with Aluminum Stanchion (A1010) w/o Base Pedestal	$3,395.00
					X		X	RRDN4366	AC/DC Powered with Aluminum Stanchion (A1010) w/o Base Pedestal	$3,295.00
					X		X	RRDN4444	A1A1010 Base Pedestal	$450.00

Call Boxes - A106.5

VL50	CP110	DTR650	BPR40	CP185	CP200	CP200d	CP200XLS	Model No.	Description	MSRP
					X		X	RRDN4588	Solar Powered w/o Base Pedestal	$2,795.00
					X		X	RRDN4589	AC/DC Powered w/o Base Pedestal	$2,695.00
					X		X	RRDN7776	A106.5 Base Pedestal	$450.00

Call Boxes - A144

VL50	CP110	DTR650	BPR40	CP185	CP200	CP200d	CP200XLS	Model No.	Description	MSRP
					X		X	RRDN4590	Solar Wall or Pole Mounted	$3,275.00
					X		X	RRDN4591	AC/DC Wall or Pole Mounted	$3,175.00

Call Boxes - A1510

VL50	CP110	DTR650	BPR40	CP185	CP200	CP200d	CP200XLS	Model No.	Description	MSRP
					X		X	RRDN7777	Solar Powered w/o Base Pedestal	$3,445.00
					X		X	RRDN7778	Solar Powered w/o Base Pedestal, with Public Address System (PA)	$4,000.00
					X		X	RRDN7779	AC/DC Powered w/o Base Pedestal	$3,345.00
					X		X	RRDN7780	AC/DC Powered w/o Base Pedestal, with Public Address System (PA)	$3,910.00
					X		X	RRDN7781	A1510 Base Pedestal	$348.00

Call Boxes - A1410

VL50	CP110	DTR650	BPR40	CP185	CP200	CP200d	CP200XLS	Model No.	Description	MSRP
					X		X	RRDN4369	Solar Powered w/o Base Pedestal	$3,400.00
					X		X	RRDN4447	A1410 Base Pedestal	$450.00
					X		X	RRDN4370	AC/DC Powered w/o Base Pedestal	$3,300.00
					X		X	RRDN7782	A1410 Solar Powered w/o Base Pedestal, with Public Address System (PA)	$3,745.00

Portable Accessories

Call Boxes - ACB

VL50	CP110	DTR650	BPR40	CP185	CP200	CP200d	CP200XLS	Model No.	Description	MSRP
					X		X	RRDN4367	Solar Wall or Pole Mounted	$2,775.00
					X		X	RRDN4368	AC/DC Wall or Pole Mounted	$2,675.00

Call Boxes - Mass Notification System

VL50	CP110	DTR650	BPR40	CP185	CP200	CP200d	CP200XLS	Model No.	Description	MSRP
					X		X	RRDN7783	Mass Notification System	$1,945.00

Carry Cases

VL50	CP110	DTR650	BPR40	CP185	CP200	CP200d	CP200XLS	Model No.	Description	MSRP
						X		1505596Z02	Case Adjustable Chest Pack	$5.00
					X	X	X	4280384F89	Universal RadioPAK™ Extension Belt for waist larger than 40"	$5.00
						X		4280483B03	2.5" Swivel Belt Loop	$10.00
						X		4280483B04	3" Swivel Belt Loop	$11.55
		X						53961	Swivel Belt Holster	$12.95
X								56519	Carry Case with Adjustable Strap	$27.50
X								HCLN4013	Replacement Swivel Belt Holster	$7.95
				X	X	X	X	HLN6602	Universal Chest Pack with Radio Holder, Pen Holder & Velcro Secured Pocket	$38.00
					X	X	X	HLN8255	3" Spring Action Belt Clip	$6.00
				X	X	X	X	HLN9701	Nylon Case with Belt Loop (Resale Packaging available through RPSD)	$24.00
				X				HLN9844	2" Spring Belt Clip	$11.50
				X	X	X	X	HLN9985	Waterproof Bag, includes large carrying strap	$36.00
						X		NTN5243	Carry Case Shoulder Strap	$23.00
			X					PMLN4742	Mag One Hard Leather Carry Case	$25.00
			X					PMLN4743	Mag One 2" Spring Belt Clip	$5.00
				X				PMLN5334	Soft Leather Protective Case	$25.00
						X		RLN4570	Breakaway Chest Pack	$54.25
				X	X	X	X	RLN4815	Universal RadioPAK™ & Utility Case (fanny pack)	$45.00
					X	X		RLN5383	Leather Case with Belt Loop (for use with Non-Display models)	$39.00
					X	X		RLN5384	Leather Case with 2.5" Swivel (for use with Non-Display models)	$45.00
					X	X		RLN5385	Leather Case with 3" Swivel (for use with Non-Display models)	$45.00
						X		RLN5716	T-Strap for Leather Cases	$6.00
					X	X	X	RLN5644	2" Spring Action Belt Clip	$6.00
	X							RLN6302	Leather Case with 3' Swivel	$55.00
	X							RLN6307	Spring Action Belt Clip	$15.00
					X	X	X	TDN9327	Portable Radio Hanger - for door panels up to 2.75" (slides over and hangs from the door panel in vehicle). Radio Belt Clip is required for use.	$28.50
					X	X	X	TDN9373	Portable Radio Hanger - for door panels from 2.75" to 3.25" (slides over and hangs from the door panel in vehicle). Radio Belt Clip is required for use.	$18.00

Portable Accessories

Chargers

VL50	CP110	DTR650	BPR40	CP185	CP200	CP200d	CP200XLS	Model No.	Description	MSRP
		X						53960	Multi-Unit Charger	$200.00
		X						53962	Drop In Charging Tray	$27.95
		X						53969	Rapid Charger, 1 Hour	$30.00
X								56531	Multi-Unit Charger	$199.95
X								56553	Double Unit Charger	$65.00
					X	X	X	EPNN7997	10 Hour Plug In Charger (plugs into radio accessory connector - for use with NNTN4496_R NiCd battery only)	$6.30
			X	X	X	X	X	EPNN9288	90-134V, Switch Mode Power Supply	$24.00
						X		NLN7967	Multi-Unit Charger Wall Mount Kit	$21.00
				X	X	X		NNTN8460	Charger Insert (CP200)	$35.00
				X	X	X		NNTN8461	Charger Insert (CP185)	$35.00
					X	X	X	PMLN6588	120 Volt - 6 Unit Rapid Rate Charger	$435.00
			X					PMLN5041_R	Mag One Tri - Chemistry Rapid Charger Base	$32.50
			X					PMLN5048_R	Mag One Tri - Chemistry Rapid Charger Kit (includes Base, Power Supply & AC Cord)	$50.00
						X		PMLN5193	Single-Unit Charger with Switch Mode Power Supply	$65.75
				X				PMLN5398	Tri-Chemistry Single Unit Charger Base with Switch Mode Power Supply (includes PMLN5228 and EPNN9288)	$53.00
				X				PMLN6371	Multi Unit Charger	$450.00
	X							PMPN4005	AC Power Supply	$35.00
	X							RLN6304	2-Hour Rapid Charger Kit (includes PMPN4005, RLN6332, and RLN6349)	$65.00
	X							RLN6309	Multi Unit Charger	$275.00
	X							RLN6332	Rapid Drop-In Tray	$30.00
	X							RLN6349	NA Adaptor	$5.00
			X					RLN6350	Mag One Rapid Charger, Li-ion Battery Bundle Kit (includes PMLN5048_R and PMNN4075)	$84.00
			X					RLN6393	110V Rapid Rate Multi Unit Charger	$450.00
					X	X	X	WPLN4138_R	120V - 90 Minute Rapid Rate Charger with Switch Mode Power Supply (includes EPNN9288 and WPLN4137)	$57.75

Ear Pieces

VL50	CP110	DTR650	BPR40	CP185	CP200	CP200d	CP200XLS	Model No.	Description	MSRP
					X		X	0180300E83	Body Switch Push to Talk for Ear Microphone System	$159.00
					X		X	0180358B33	Medium Earholder for Ear Microphone System, Black (For securing ear microphone in ear) - Additional sizes & colors available.	$20.00
					X		X	0180358B38	Finger Push to Talk Switch for Ear Microphone System - Intrinsically Safe (FM)	$52.50
						X		0186180Z01	Replacement Foam Earbuds	$6.50
					X	X	X	5080369E39	Extra Loud Earphone, Beige (exceeds OSHA limits)	$36.75
					X	X	X	5080370E91	Extra Loud Earphone, Black (exceeds OSHA limits)	$36.75
					X	X	X	5080370E97	Replacement Rubber Eartips, Clear - Pack of 25 (for use with RLN6232, RLN6241)	$29.25
					X	X	X	5080384F72	Replacement Foam Plugs-Pack of 50 (for use with RLN6230, RLN6231), Noise Reduction Rating = 24dB	$116.50
X		X						56517	Earpiece with In-Line PTT & Microphone	$25.00
X		X						56518	Earpiece with Boom Microphone	$25.00
					X	X	X	7580372E11	Replacement Foam Ear Cushion (for use with BDN6720)	$1.80
	X				X	X	X	BDN6720	Flexible Ear Receiver, Black Earpiece without Volume Control (flexible earloop & speaker that rests external to ear Resale Packaging through RPSD)	$35.00

Portable Accessories

Ear Pieces

VL50	CP110	DTR650	BPR40	CP185	CP200	CP200d	CP200XLS	Model No.	Description	MSRP
X								BDN6774	Earpiece with Microphone (worn over ear with streamlined boom microphone)	$51.00
	X							HKLN4424	CP Swivel Earpiece	$35.00
	X				X		X	HLN9132	Earbud (Single wire, Receive only, Mot recommended for use with PL codes above 225 Hz)	$22.00
X								HMN8435	Earbud with Clip Microphone and PTT (2-wire - transmit & receive)	$40.00
	X				X		X	HMN9036	Earbud with Clip Microphone and PTT, Transmit & Receive (2-wire - not recommended for use with PL codes above 225 Hz) Resale Packaging is also available through RPSD)	$40.00
	X				X		X	HMN9727	Earpiece without Volume Control, Beige (single wire) Resale Packaging available through RPSD)	$36.75
	X				X		X	HMN9752	Earpiece with Volume Control (single wire). Beige	$45.00
	X			X	X		X	HMN9754	2 Piece Surveillance Kit, with Microphone and PTT Combined, Beige (2-wire - rubber eartip style) Resale Packaging available through RPSD)	$114.00
			X					PMLN4294	Earbud with Microphone & PTT Combined	$27.00
			X	X	X		X	PMLN4442	Mag One Earbud with MIC/PTT/VOX Switch	$18.00
			X	X	X		X	PMLN4443	Mag One Ear Receiver with MIC/PTT/VOX Switch	$20.00
				X	X		X	PMLN4444	Mag One Earset Boom Microphone with PTT/VOX	$26.00
			X			X		PMLN4605	Clear Acoustic Tube	$14.50
			X					PMLN4606	2-Wire Surveillance Kit with Clear Acoustic Tube	$43.00
			X		X		X	PMLN5001	D Shell Earpiece with PTT Mic.	$27.50
						X		PMLN6445	2-Wire Surveillance Kit (Beige) with Clear Acoustic Tube (Palm Garden)	$44.50
						X		PMLN6530	2-Wire Surveillance Kit (Black) with Clear Acoustic Tube (Palm Garden)	$44.50
						X		PMLN6531	Ear Receiver with In-Line Mic/PTT/VOX Switch (Mag One)	$21.50
						X		PMLN6532	Swivel Earpiece with Microphone & PTT (Mag One)	$24.50
						X		PMLN6534	Earbud with In-Line Mic/PTT/VOX Switch (Mag One)	$20.00
						X		PMLN6535	D-Style Earpiece with Mic/PTT	$28.50
						X		PMLN6536	2-Wire Surveillance Kit with Quick Disconnect Acoustic Tube, Black (OTTO)	$120.00
						X		PMLN6537	Earset with Boom Microphone and In-Line PTT/VOX Switch (Mag One)	$26.00
						X		PMLN6538	Lightweight Headset with Swivel Boom Microphone	$57.00
						X		PMLN6539	Medium Weight Over-the-Head Dual Muff Headset	$237.00
						X		PMLN6540	Heavy-Duty Noise Cancelling Boom Microphone Headset	$525.00
						X		PMLN6541	Lightweight Temple Transducer Headset	$79.00
			X		X		X	PMMN4001	Ultra-Light Earpiece with Boom Microphone and In-Line PTT	$54.00
						X		RLN4760	Clear Comfortable Earpiece Small Right	$20.50
						X		RLN4761	Clear Comfortable Earpiece Medium Right	$20.50
						X		RLN4762	Clear Comfortable Earpiece Large Right	$20.50
						X		RLN4763	Clear Comfortable Earpiece Small Left	$20.50
						X		RLN4764	Clear Comfortable Earpiece Medium Left	$20.50
						X		RLN4765	Clear Comfortable Earpiece Large Left	$20.50
			X		X		X	RLN4894	Earpiece without Volume Control, Black (single wire)	$35.00
	X		X	X	X		X	RLN4895	2 Piece Surveillance Kit, with Microphone and PTT Combined, Black (2-wire - rubber eartip style)	$114.00
			X	X	X	X	X	RLN4941	Earpiece Receive Only with Translucent Tube	$58.00
	X				X		X	RLN5198_P	2-Wire Surveillance Kit with Clear Comfortable Acoustic Tube, Beige (Resale Packaged)	$125.00
	X			X	X		X	RLN5317	2-Wire Comfort Earpiece with Combined Microphone and PTT, Beige Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise enhancement (RLN6232) already attached for extra comfort and convenience.	$120.00
	X			X	X		X	RLN5318	2-Wire Comfort Earpiece with Combined Microphone and PTT, Black Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise enhancement (RLN6232) already attached for extra comfort and convenience.	$120.00

Portable Accessories

Ear Pieces

VL50	CP110	DTR650	BPR40	CP185	CP200	CP200d	CP200XLS	Model No.	Description	MSRP
				X	X	X	X	RLN6230	Extreme Noise Kit - Includes 2 foam earplugs. For High Noise Environments. Noise Reduction = 24dB. The Quick Disconnect Adapter allows users to easily remove or alternate Acoustic Tubes (for use with Surveillance Accessories). Black	$32.00
				X	X	X	X	RLN6231	Extreme Noise Kit - Includes 2 foam earplugs. For High Noise Environments. Noise Reduction = 24dB. The Quick Disconnect Adapter allows users to easily remove or alternate Acoustic Tubes (for use with Surveillance Accessories). Beige	$32.00
				X	X	X	X	RLN6232	Low Noise Kit - Clear Acoustic Tube Assembly includes 1 Clear Rubber Eartip. For Low Noise Environments. The Quick Disconnect Adapter allows users to easily remove or alternate Acoustic Tubes (for used with Surveillance Accessories). Black	$20.00
				X	X	X	X	RLN6241	Low Noise Kit - Clear Acoustic Tube Assembly includes 1 Clear Rubber Eartip. For Low Noise Environments. The Quick Disconnect Adapter allows users to easily remove or alternate Acoustic Tubes (for used with Surveillance Accessories). Beige	$20.00
				X	X	X	X	RLN6242	Quick Disconnect Acoustic Tube Replacement (each sold separately)	$7.90
		X						RLN6423	Swivel Earpiece Accessory	$35.00

Headsets

VL50	CP110	DTR650	BPR40	CP185	CP200	CP200d	CP200XLS	Model No.	Description	MSRP
					X		X	3580371E59	Replacement Windscreen (for use with Boom Microphone) for use with BDN6647	$4.05
					X		X	5080371E66	Replacement Ear Pads for use with BDN6647	$8.00
X								53815	Ultra-Light Headset	$34.95
					X		X	BDN6647	Medium Weight Single Muff Headset with Boom Microphone	$151.00
					X		X	PMLN5277	Heavy Duty Headset with Noise Cancelling Boom Microphone, behind-the-head (can be worn with hardhat) - Noise Reduction Rating = 24dB	$525.00
X								BDN6773	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone	$53.00
	X				X		X	HMN9013	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone (Resale Packaging available through RPSD)	$57.00
	X				X		X	HMN9021	Medium Weight Dual Muff Headset, over-the-head, Noise Reduction Rating = 24dB	$237.00
	X				X		X	HMN9022	Medium Weight Dual Muff Headset, behind-the-head (can be worn with hardhat), Noise Reduction Rating = 24dB	$300.00
			X	X	X		X	PMLN4445	Mag One Headset with PTT/VOX Switch	$30.00
	X		X	X	X		X	PMLN5003	Retail Temple Transducer	$79.00
	X		X		X		X	PMLN5011	Temple Transducer (2 Prong)	$159.00
	X				X	X	X	REX4648	Replacement Windscreen (for use with Boom Microphone) and Foam Ear Pad	$7.20
					X		X	RKN4090	Adapter Cable for Racing Headset (for use with RMN5015)	$100.00
					X		X	RKN4094	Adapter Cable with In-Line PTT (for use with RMN4051 Headset)	$184.00
	X				X		X	RLN5238	Football Style Lightweight Single Muff Headset with In-Line PTT	$125.00
	X				X		X	RLN5411	Ultra-Light Headset, behind-the-head with In-Line PTT and Boom Microphone	$60.00
					X	X	X	RLN5500	Accessory Retainer Clip	$10.75
	X				X		X	RMN4016	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone and In-Line PTT - Intrinsically Safe (FM)	$76.00
					X		X	RMN4051	2-Way Hard-Hat Mount Headset, Black - Noise Reduction Rating = 22dB (requires adapter cable RKN4094)	$225.00
					X		X	RMN5015	Racing Headset - with Noise Cancelling Swivel Boom Microphone used by pit crews on the CART racing circuit.Can be worn with hardhat.Noise Reduction Rating = 24dB (adapter cable required and sold separately)	$600.00
	X				X		X	RMN5047	Football Style Heavy Duty Headset	$225.00

Portable Accessories

Microphones

VL50	CP110	DTR650	BPR40	CP185	CP200	CP200d	CP200XLS	Model No.	Description	MSRP
			X	X	X	X	X	AARLN4885	Receive-Only Foam Earbud with 3.5mm plug to be used with Remote Speaker Microphone	$25.00
X		X						HMN9051	Remote Speaker Microphone with Coiled Cord and Swivel Clothing Clip	$57.75
			X	X	X	X	X	PMLN4620	Receive Only D- Shell Earpiece for Remote Speaker Microphone Only 3.5mm Adaptor	$19.00
	X			X	X	X	X	PMMN4013	Remote Speaker Microphone with Ear Jack, Coiled Cord and Swivel Clothing Clip Intrinsically Safe (FM)	$73.50
				X	X		X	PMMN4008	Remote Speaker Microphone	$31.00
	X			X	X	X	X	PMMN4029	Remote Speaker Microphone with IP57 Rating, Coiled Cord and Swivel Clothing Clip Intrinsically Safe (FM)	$75.00
			X					PMMN4077	Remote Speaker Microphone - Mag One	$31.00
						X		PMMN4092	Remote Speaker Microphone - Mag One	$31.00
			X	X	X	X	X	WADN4190	Ear Receiver with Coil Cable Remote Speaker Microphone Only 3.5mm Adapter	$43.00

Service

VL50	CP110	DTR650	BPR40	CP185	CP200	CP200d	CP200XLS	Model No.	Description	MSRP
		X						0105950U15	DTR Serial Data Cable CPS/RSS	$30.00
					X		X	01009422001	120 Volt - Wall Mount Power Supply Supplies power to the RIB. Order power supply for radio separately.	$24.25
					X		X	3080369B72	9 Pin PC to Radio Interface Box Cable (IBM AT or compatible)	$52.00
				X				68007024004	CP185 Basic Service Manual	$25.00
			X					6816986H01	BPR 40 Basic Service Manual (only available for download in MOL).	$0.00
					X		X	6880309N61	CP150/CP200 Basic Service Manual	$12.00
					X		X	AAPMKN4004	Programming & Test Cable - Programming cables require a Radio Interface Box (RIB), also compatible with RLN4460 used for radio testing.	$50.00
			X	X				PMDN4040_R	Test Box	$115.00
			X	X				PMDN4041_R	RF Adapter	$21.25
			X					PMDN4042_R	Battery Eliminator	$95.00
			X					PMDN4043_R	BPR 40 Programming/Test Cable	$25.00
			X					PMDN4054_R	Grounding Plate	$26.25
			X					PMDN4060_R	BPR 40 Cloning Cable	$12.25
				X				PMDN4076_R	Cloning Cable	$11.00
				X				PMDN4077_R	USB Programing Cable	$52.10
						X		PMKN4128	Micro USB Programing Cable	$30.00
	X							RKN4155	CP110 USB Programming Cable	$50.00
					X		X	RLN4008	Radio Interface Box (RIB) Voltage Level Shifter to enable communications between radio and computer's RS232 communications adapter. Requires wall mount power serial supply or 10-18 VDC power sources.	$200.00
					X	X	X	RLN4460	Test Box for Portables and Mobiles	$395.00
					X		X	RLN5583	Flash Upgrade Adapter	$99.75
	X							RLN6303	CP110 Cloning Cable	$20.00
					X		X	RVN4191	Portable & Mobile Programming Software (CPS) - 3 Year Subscription*	$199.00
		X						RVN5080	DTR Computer Programming Software (CPS) - Available for free download on MOL	$0.00
			X					RVN5081	BPR 40 CPS Software (CD) - 3 Year Subscription	$299.00
	X							RVN5149	CP110 CPS Software (CD) - 3 year Subscription. Note: CP110 MURS CPS is only available for download on MOL at no charge ($0)	$299.00
				X				RVN5194	CP185 CPS and Tunning Software (CD) - 3 Year Subscription	$299.00

Portable Accessories

Service

VL50	CP110	DTR650	BPR40	CP185	CP200	CP200d	CP200XLS	Model No.	Description	MSRP
						X		RVN5115	Portable, Mobile and Repeater Customer Programming Software (CPS) Package Software Package includes CPS, Air Tracer, Tuner and the MOTOTRBO System Planner. 3 Year Subscription Package Software is compatible w/Windows XP & Windows Vista (Home & Professional Versions). Mobiles Require PMKN4147 Programming Cable. Note: Software requires a license agreement and is not intended for resale.	$265.00

Portable Accessories

HLN8255
3” Spring Action
Belt Clip

HLN9985
Waterproof Bag

TDN9327/TDN9373
Portable Radio Hanger

HLN6602
Universal Chest pack

HMN9013
Lightweight Single Muff
Adjustable Headset with
Swivel Boom Microphone

HMN9021
Medium Weight Dual Muff
Headset. Over-the-head

BDN6647
Medium Weight Single Muff
Headset with Boom
Microphone

HMN9022
Medium Weight Dual Muff
Headset.
Behind-the-Head

BDN6648
Heavy Duty Headset with Noise
Cancelling Boom Microphone

BDN6720
Flexible Ear
Receiver-Earpiece without
Volume Control

HMN9036
Ear bud with Clip
Microphone & PTT

HLN9132
Ear bud

CM200d™ Mobile

Standard Package Includes:
- Standard Microphone (PMMN4090)
- Standard Low Profile Mounting Bracket (RLN6469)
- Standard Power Cable (HKN4137)
- Two-Year Standard Warranty

Product Features:
- 6.25e / 12.5 kHz Channel Spacing
- 16 Channels
- 2 Programmable Buttons
- LED Indicators
- Radio Management (Optional)

Analog Features:
- Auto/Priority/Dual Priority Scan
- Quik Call II™ Call Alert/Selective Call (Decode)
- MDC1200 PTT ID (Numeric ID - Encode)
- Audio Indicator Tones
- Time-Out Timer
- VOX
- Busy Channel Lockout

Digital Features:
- Digital Conventional
  - Optional for Analog models
  - Standard for Digital models
- Basic Privacy
- Radio Check (Decode)
- Remote Monitor (Decode)
- Radio Inhibit (Decode)
- Dual Priority Scan
- Transmit Interrupt (Decode)
- Dual Capacity Direct Mode

Frequencies Not Allowed:
153.600 MHz +/1 10 kHz
172.800 MHz +/1 10 kHz
422.400 MHz +/1 10 kHz

Programmable Features:
- Escalert
- Local/Distance Mode
- Repeater / Talkaround
- Silent Monitor
- Volume Set
- Voice Announcement
- High / Low Power
- Nuisance Channel Delete
- Scan On / Off
- Tight / Normal Squelch
- VOX On / Off

Analog Models

Model #	Band Split	Band	Power	Conv Chan	Display	MSRP
AAM01JNC9JC1_N	136-174 MHz	VHF	25W	16	N/A	$483.00
AAM01JQC9JC1_N	136-174 MHz	VHF	45W	16	N/A	$542.00
AAM01QNC9JC1_N	403-470 MHz	UHF	25W	16	N/A	$533.33
AAM01QPC9JC1_N	403-470 MHz	UHF	40W	16	N/A	$591.67

Digital Models

Model #	Band Split	Band	Power	Conv Chan	Display	MSRP
AAM01JNC9JA1_N	136-174 MHz	VHF	25W	16	N/A	$566.00
AAM01JQC9JA1_N	136-174 MHz	VHF	45W	16	N/A	$625.00
AAM01QNC9JA1_N	403-470 MHz	UHF	25W	16	N/A	$616.67
AAM01QPC9JA1_N	403-470 MHz	UHF	40W	16	N/A	$675.00

CM200d™ Mobile

Options: TO COMPLETE AN ORDER YOU MUST SELECT ONE (1) CHOICE FOR EACH OPTION

Microphone Options

Options	Description	MSRP
STDMIC0751	Standard Compact Microphone (PMMN4090)	$0.00
QA03848	Enhanced Keypad Microphone (PMMN4089)	$51.00
QA03850	Heavy Duty Microphone (PMMN4091)	$31.00
B71	Omit Microphone	-$10.00

Bracket Options

Options	Description	MSRP
STDBKT0751	Standard Mounting Bracket (RLN6469)	$0.00
B65	Omit Standard Mounting Bracket	-$4.00

Cable Options

Options	Description	MSRP
STDCBL0751	Standard Power Cable (HKN4137)	$0.00
B161	Omit Standard Power Cable	-$8.00

Shipping Options

Options	Description	MSRP
STDBOX0751	Standard Model Box	$0.00
B842	Bulk Packaging (minimum 2 radios per box)	$0.00

Warranty Options

Options	Description	MSRP
STDWAR0751	Standard 2-Year Warranty	$0.00

CM200d™ Mobile

General Options

Options	Description	MSRP
HKVN4223	CM200d Analog to Digital Upgrade	$83.00
G400	1 Year Service from the Start - LITE	$34.00
G24	2 Year Service from the Start - LITE	$65.00
G398	3 Year Service from the Start - LITE	$97.00

Service from the Start LITE

SfS LITE provides 1, 2 or 3 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.

For technical training on Motorola products, please visit: www.motorolasolutions.com/government/techtraining

FCC/IC Information:

VHF (1-25W): ABZ99FT3090 / 109AB-99FT3090
VHF (25-45W): ABZ99FT3091 / 109AB-99FT3091
UHF (1-25W): ABZ99FT4092 / 109AB-99FT4092
UHF (25-40W) ABZ99FT4093 / 109AB-99FT4093

Environmental Specifications

Operating Temperature: -30° to +60° C
Sealing: IP54*
* With microphone sealing boot and rear accessory connector cover properly installed

CM300d™ Mobile

Standard Package Includes:
- Standard Microphone (PMMN4090)
- Standard Low Profile Mounting Bracket (RLN6469)
- Standard Power Cable (HKN4137)
- Two-Year Standard Warranty

Product Features:
- 6.25e / 12.5 kHz Channel Spacing
- Alpha-Numeric Display
- White-lit Backlight
- 99 Channels
- 4 Programmable Buttons
- LED Indicators
- Radio Management (Optional)

Analog Features:
- Auto/Priority/Dual Priority Scan
- Quik Call II™ Call Alert/Selective Call (Decode)
- MDC1200 PTT ID (Numeric ID - Encode)
- Audio Indicator Tones
- Time-Out Timer
- VOX
- Busy Channel Lockout

Digital Features:
- Digital Conventional
  - Optional for Analog models
  - Standard for Digital models
- Basic Privacy
- Radio Check (Decode)
- Remote Monitor (Decode)
- Radio Inhibit (Decode)
- Dual Priority Scan
- Transmit Interrupt (Decode)
- Dual Capacity Direct Mode

Frequencies Not Allowed:
153.600 MHz +/1 10 kHz
172.800 MHz +/1 10 kHz
422.400 MHz

Programmable Features:
- Escalert
- Local/Distance Mode
- Repeater / Talkaround
- Silent Monitor
- Volume Set
- Voice Announcement
- High / Low Power
- Nuisance Channel Delete
- Scan On / Off
- Tight / Normal Squelch
- VOX On / Off

Analog Models

Model #	Band Split	Band	Power	Conv Chan	Display	MSRP
AAM01JNH9JC1_N	136-174 MHz	VHF	25W	99	Yes	$542.00
AAM01JQH9JC1_N	136-174 MHz	VHF	45W	99	Yes	$600.00
AAM01QNH9JC1_N	403-470 MHz	UHF	25W	99	Yes	$591.67
AAM01QPH9JC1_N	403-470 MHz	UHF	40W	99	Yes	$650.00

Digital Models

Model #	Band Split	Band	Power	Conv Chan	Display	MSRP
AAM01JNH9JA1_N	136-174 MHz	VHF	25W	99	Yes	$625.00
AAM01JQH9JA1_N	136-174 MHz	VHF	45W	99	Yes	$683.00
AAM01QNH9JA1_N	403-470 MHz	UHF	25W	99	Yes	$675.00
AAM01QPH9JA1_N	403-470 MHz	UHF	40W	99	Yes	$733.33

CM300d™ Mobile

Options: TO COMPLETE AN ORDER YOU MUST SELECT ONE (1) CHOICE FOR EACH OPTION

Microphone Options

Options	Description	MSRP
STDMIC0866	Standard Compact Microphone (PMMN4090)	$0.00
QA03848	Enhanced Keypad Microphone (PMMN4089)	$51.00
QA03850	Heavy Duty Microphone (PMMN4091)	$31.00
B71	Omit Microphone	-$10.00

Bracket Options

Options	Description	MSRP
STDBKT0866	Standard Mounting Bracket (RLN6469)	$0.00
B65	Omit Standard Mounting Bracket	-$4.00

Cable Options

Options	Description	MSRP
STDCBL0866	Standard Power Cable (HKN4137)	$0.00
B161	Omit Standard Power Cable	-$8.00

Shipping Options

Options	Description	MSRP
STDBOX0866	Standard Model Box	$0.00
B842	Bulk Packaging (minimum 2 radios per box)	$0.00

Warranty Options

Options	Description	MSRP
STDWAR0866	Standard 2-Year Warranty	$0.00

CM300d™ Mobile

General Options

Options	Description	MSRP
HKVN4223	Analog to Digital Upgrade	$83.00
G400	1 Year Service from the Start - LITE (US Only)	$34.00
G24	2 Year Service from the Start - LITE (US Only)	$65.00
G398	3 Year Service from the Start - LITE (US Only)	$97.00

Service from the Start LITE

SfS LITE 1, 2 or 3 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.

For technical training on Motorola products, please visit: www.motorolasolutions.com/government/techtraining

FCC/IC Information:

VHF (1-25W): AZ492FT3805 / 109U-92FT3805
VHF (25-45W): ABZ99FT3046 / 109AB-99FT3046
UHF (1-25W): AZ492FT4856 / 109U-92FT4856
UHF (25-40W): ABZ99FT4048 / 109AB-99FT4048

Environmental Specifications

Operating Temperature: -30° to +60° C
Sealing: IP54

CM200™ Mobile

Standard Package Includes:
- Standard Microphone (Compact Mic. with Transmit LED, Hang-Up Clip & 7 Ft. Coil Cord - HMN3413)
- Standard Installation Bracket (Low Profile Mounting Bracket - GLN7324)
- Standard Power Cable (HKN4137_R)
- Two (2) Year Warranty

Product Features:
- 12.5 kHz only Channel Spacing
- 4 Channels
- Audio Indicator Tones
- Time-Out Timer
- 2 Programmable Buttons
- Single Priority Scan
- Quik Call II™ Call Alert/Selective Call (Decode)
- MDC1200 PTT ID (Numeric ID - Encode)

Programmable Features:
- Escalert
- Local/Distance Mode
- Repeater / Talkaround
- Silent Monitor
- Volume Set
- High/Low Power
- Nuisance Channel Delete
- Scan On/Off
- Tight / Normal Squelch
- VOX On / Off

Default Frequencies:

VHF	UHF
151.625	464.500

Frequency Not Allowed:
444.860

Models

Model #	Band Split	Band	Power	Conv Chan	Display	MSRP
AAM50KNC9AA1_N	146-174 MHz	VHF	25W	4	N/A	$474.00
AAM50KQC9AA1_N	146-174 MHz	VHF	45W	4	N/A	$535.00
AAM50RNC9AA1_N	438-470 MHz	UHF	25W	4	N/A	$526.00
AAM50RPC9AA1_N	438-470 MHz	UHF	40W	4	N/A	$586.00

CM200™ Mobile

Options: TO COMPLETE AN ORDER YOU MUST SELECT ONE (1) CONFIGURATION OPTION

Configuration Options

Options	Description	MSRP
STDPKG0019	Standard Microphone (Compact Microphone, Hang-Up Clip & 7 Ft. Coil Cord - HMN3413)	$0.00
G171	Heavy Duty Microphone & Hang-Up Clip (HMN1035 & HLN9073)	$31.00
G172	Enhanced Keypad Microphone & Hang-Up Clip (RMN5029)	$51.00
G311	Omit Microphone	-$15.00

General Options

Options	Description	MSRP
G400	1 Year Service from the Start - LITE (US Only)	$34.00
G24	2 Year Service from the Start - LITE (US Only)	$65.00
G398	3 Year Service from the Start - LITE (US Only)	$97.00

Service from the Start LITE

SfS LITE 1, 2 or 3 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.

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FCC/IC Information:

VHF (1-25W): ABZ99FT3090 / 109AB-99FT3090
VHF (25-45W): ABZ99FT3091 / 109AB-99FT3091
UHF (1-25W): ABZ99FT4092 / 109AB-99FT4092
UHF (25-40W) ABZ99FT4093 / 109AB-99FT4093

Environmental Specifications

Operating Temperature: -30° to +60° C
Sealing: IP54*
* With microphone sealing boot and rear accessory connector cover properly installed

CM300™ Mobile

Standard Package Includes:
- Standard Microphone (Compact Mic. with Transmit LED, Hang-Up Clip & 7 Ft. Coil Cord - HMN3413)
- Standard Installation Bracket (Low Profile Mounting Bracket - GLN7324)
- Standard Power Cable (HKN4137_R)
- Two (2) Year Warranty

Product Features:
- 12.5 kHz only Channel Spacing
- 32 Channels
- 4 Programmable Buttons
- 8-Character Alpha-Numeric Display
- Customizable Audio Indicator Tones
- Dual Priority Scan
- Time-Out Timer
- System Scan and Auto Scan (Up to 16 lists)
- Single and Dual Priority Scan
- Revert Scan
- Quik Call II™ Call Alert/Selective Call (Decode)
- MDC1200 PTT ID (Numeric ID - Encode)
- Selective Radio Inhibit (Decode)
- Option Board Expandability

Programable Features:
- Escalert
- Local/Distance Mode
- Repeater / Talkaround
- Silent Monitor
- Volume Set
- High/Low Power
- Nuisance Channel Delete
- Scan On/Off
- Tight / Normal Squelch
- VOX On / Off

Default Frequencies:

VHF	UHF
151.625	464.500

Frequency Not Allowed:

UHF
444.860

Models

Model #	Band Split	Band	Power	Conv Chan	Display	MSRP
AAM50KNF9AA1_N	146-174 MHz	VHF	25W	32	Yes	$535.00
AAM50KQF9AA1_N	146-174 MHz	VHF	45W	32	Yes	$595.00
AAM50RNF9AA1_N	438-470 MHz	UHF	25W	32	Yes	$586.00
AAM50RPF9AA1_N	438-470 MHz	UHF	40W	32	Yes	$647.00

CM300™ Mobile

Options: TO COMPLETE AN ORDER YOU MUST SELECT ONE (1) CONFIGURATION OPTION

Configuration Options

Options	Description	MSRP
STDPKG0019	Standard Microphone (Compact Microphone, Hang-Up Clip & 7 Ft. Coil Cord - HMN3413)	$0.00
G171	Heavy Duty Microphone & Hang-Up Clip (HMN1035 & HLN9073)	$31.00
G172	Enhanced Keypad Microphone & Hang-Up Clip (RMN5029)	$51.00
G311	Omit Microphone	-$15.00

General Options

Options	Description	MSRP
G400	1 Year Service from the Start - LITE (US Only)	$34.00
G24	2 Year Service from the Start - LITE (US Only)	$65.00
G398	3 Year Service from the Start - LITE (US Only)	$97.00

Service from the Start LITE

SfS LITE 1, 2 or 3 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.

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FCC/IC Information:

VHF (1-25W): AZ492FT3805 / 109U-92FT3805
VHF (25-45W): ABZ99FT3046 / 109AB-99FT3046
UHF (1-25W): AZ492FT4856 / 109U-92FT4856
UHF (25-40W): ABZ99FT4048 / 109AB-99FT4048

Environmental Specifications

Operating Temperature: -30° to +60° C
Sealing: IP54

Mobile Accessories

Antennas

CM200	CM200d	CM300	CM300d	Model No	Description	MSRP
X	X	X	X	HAD4006	VHF 136-144 MHz, 1/4 Wave Roof Mount, Mini-U	$19.50
X	X	X	X	HAD4007	VHF 144-150.8 MHz, 1/4 Wave Roof Mount, Mini-U	$19.50
X	X	X	X	HAD4008	VHF 150.8-162 MHz, 1/4 Wave Roof Mount, Mini-U	$19.50
X	X	X	X	HAD4009	VHF 162-174 MHz, 1/4 Wave Roof Mount, Mini-U	$19.50
	X		X	HAE4002	UHF 403-430 MHz, 1/4 Wave Roof Mount, Mini-U	$27.75
	X		X	HAD4022	VHF, 132-174 MHz, 3.0 dB Gain, Through-Hole Mount, Mini-U	$65.50
X	X	X	X	HAE4003	UHF 450-470 MHz, 1/4 Wave Roof Mount, Mini-U	$21.50
	X		X	HAE4010	UHF 406-420 MHz, 3.5 dB Gain Roof Mount, Mini-U	$77.50
	X		X	HAE4011	UHF 450-470 MHz, 3.5 dB Gain Roof Mount, Mini-U	$77.50
	X		X	HAE6022	UHF, 403-527 MHz, 2dB Gain, Through-hole Mount, Mini-U	$64.50
X		X		RAD4000	Antenna Only (less cable & install hardware) - Standard Duty, 136-174 MHz	$50.00
X		X		RAD4000AMB	VHF 3dB Gain Magnetic Mount Antenna, 140-174 MHz	$80.50
X		X		RAE4004AMB	UHF 5dB Gain Magnetic Mount Antenna, 440-470 MHz	$109.25
X	X	X	X	RAE4004ARB	UHF 445-470 MHz, 5 dB Gain Roof Mount, Mini-U	$92.00

Control Station

CM200	CM200d	CM300	CM300d	Model No	Description	MSRP
X		X		HKN4139	12V Power Cable for Low Power Control Station 1-25W	$21.00
X		X		HKN9455	12V Power Cable for High Power Control Station 25-60W	$22.00
X		X		HPN4007	Power Supply and Cable (1-60 Watt Models)	$296.00
X		X		HPN4008	Power Supply and Cable (1-25 Watt Models)	$264.00
X		X		RLN5390	Desktop Tray with Speaker	$81.00
X		X		RLN5391	Desktop Tray without Speaker	$51.50
X		X		RMN5068	Desk Microphone, Black	$120.00

General Accessories

CM200	CM200d	CM300	CM300d	Model No	Description	MSRP
X		X		GLN7282	Alarm Buzzer	$46.25
X		X		HLN9328	External Alarm Relay Cable - Horn & Lights	$55.00
X	X	X	X	HSN8145	External Speaker 7.5W	$47.50
X	X	X	X	RSN4001	External Speaker 13 W	$66.00

Handsfree

CM200	CM200d	CM300	CM300d	Model No	Description	MSRP
X		X		AARMN4027	Visor Mounted Microphone	$57.25
X	X	X	X	RLN4836_R	External PTT with Emergency Footswitch	$61.75
X	X	X	X	RLN4856	Footswitch with Remote PTT	$61.75
X	X	X	X	RLN4857	Pushbutton with Remote PTT	$38.50

Mobile Accessories

Installation

CM200	CM200d	CM300	CM300d	Model No	Description	MSRP
X	X	X	X	HKN4137	Mobile Pwr Cable 10 FT, 14 AWG, 15A	$18.00
X	X	X	X	HKN4191	Mobile Pwr Cable 10 FT, 12 AWG, 20A	$18.00
	X		X	HKN4192	Mobile Pwr Cable 20 FT, 10 AWG, 20A	$38.33
X	X	X	X	HKN9327_R	Ignition Switch Cable	$15.00
X		X		HLN9242	16-Pin Accessory Kit with Expanded Connector for CM/SM/M1225. Includes 9 wires with lugs, 1 connector housing, 16 crimping terminals, 2 tie straps, and 1 extraction tool	$16.00
	X		X	HLN9457	16 Pin MAP Connector Kit	$6.95

Microphones

CM200	CM200d	CM300	CM300d	Model No	Description	MSRP
X		X		AAREX4617	Telephone Style Handset with Hang-Up Cup	$132.00
	X		X	GMMN4065	Visor Microphone (Omni-Direction)	$36.00
X	X	X	X	HLN9073	Microphone Hang-up Clip (requires install)	$1.10
X	X	X	X	HLN9414	Microph Hang-up Clip (Universal – no install required)	$11.00
X		X		HMN1035	Heavy Duty Palm Microphone with 10.5 Ft. Coil Cord	$81.50
X		X		HMN3413	Compact Microphone with 7 Ft. Coil Cord & Hang-Up Clip	$39.50
X		X		HMN3596	Compact Microphone with 7 Ft. Coil Cord	$38.50
	X		X	PMLN6481	Telephone Style Handset Kit (Includes Hang-Up Cup)	$142.00
	X		X	PMMN4089	Enhanced Keypad Microphone (Alphanumeric Only)	$99.00
	X		X	PMMN4090	Compact Microphone with Clip	$40.00
	X		X	PMMN4091	Heavy Duty Microphone	$81.50
X		X		RMN5029	Enhanced Keypad Microphone & Hang-Up Clip	$88.50

Mounting

CM200	CM200d	CM300	CM300d	Model No	Description	MSRP
	X		X	FTN6083	DIN Mount Kit	$40.00
X		X		GLN7317	High Profile Mounting Bracket (VHF, UHF, 200 MHz & 700 MHz)	$21.00
X		X		GLN7324	Low Profile Mounting Bracket (VHF, UHF, 200 MHz & 700 MHz)	$13.25
X		X		HLN9227	8" Goose Neck Mounting Bracket	$28.75
X		X		RLN4779	Key Lock Mounting Bracket (VHF, UHF, 200 MHz & 700 MHz)	$48.00
	X		X	RLN6466	Low Profile Trunnion Kit (this is the trunnion kit that ships standard with the CM200d/CM2300d (RLN6469),but is packaged for standalone sales)	$16.00
	X		X	RLN6467	High Profile Trunnion Kit	$21.00
	X		X	RLN6468	Key Lock Trunnion Kit	$122.00

Public Address

CM200	CM200d	CM300	CM300d	Model No	Description	MSRP
X		X		HKN9324_R	15 Ft. Public Address & Speaker Cable (one cable per speaker)	$44.00
X		X		HSN1006	External Speaker for Car Kit	$104.00
X		X		RLN5288	Public Address Kit - Includes Interface Cable (requires HSN1006 speaker)	$419.00

Mobile Accessories

Service

CM200	CM200d	CM300	CM300d	Model No	Description	MSRP
X		X		0180357A57	120 Volt - Wall Mount Power Supply Supplies power to the RIB. Order power supply for radio separately.	$24.25
X		X		3080070N01	Programming Cable (connection from RIB to radio)	$65.25
X		X		3080369B71	25 Pin PC to Radio Interface Box Cable (IBM XT or compatible)	$62.00
X		X		3080369B72	9 Pin PC to Radio Interface Box Cable (IBM AT or compatible)	$52.00
X		X		6680334F39	Allen Wrench for Antenna Connector Set Screw	$5.00
X		X		6680388A26	Mobile Crimping Tool	$60.00
X		X		6802966C15	CM200/CM300/PM400 Basic Service Manual	$18.00
X		X		6802966C20	CM200/CM300/PM400 VHF Detailed Service Manual	$25.00
X		X		6881098C00	CM200/CM300/PM400 UHF Detailed Service Manual	$26.25
X		X		AARKN4083	Programming Cable (allows radio programming via rear accessory connector)	$74.00
	X		X	PMKN4147	MMP Telco Programming Cable	$17.00
X		X		RKN4081	Programming Cable with Internal RIB (direct connection from computer to radio microphone connector)	$210.00
X		X		FKN8096	Flash/Data Adapter (for use with AARKN4081 or 3080070N01)	$65.00
X		X		FKN8113	Adapter Cable (for use with AARKN4083)	$43.00
X		X		RLN4008	Radio Interface Box (RIB) Voltage Level Shifter to enable communications between radio and the computer's RS232 communications adapter. Requires the wall mount power serial supply or 10-18 VDC power sources.	$200.00
X		X		RLN4460	Test Box for Portables and Mobiles Enables connection to the universal connector. Allows switching for radio testing.	$395.00
X		X		RVN4191	Portable & Mobile Programming Software (CPS) - 3 Year Subscription Package - Portables require AAPMKN4004 Programming/Test Cable.*	$199.00
	X		X	RVN5115	Portable, Mobile and Repeater Customer Programming Software (CPS) Package - Software Package includes CPS, Air Tracer, Tuner and the MOTOTRBO System Planner. 3 Year Subscription Package Software is compatible w/Windows XP & Windows Vista (Home & Professional Versions).Mobiles require PMKN4147 Programming Cable. Note: Software requires a license agreement and is not intended for resale.	$265.00

Trident PassPort Data

CM200	CM200d	CM300	CM300d	Model No	Description	MSRP
	X		X	RRDN6968	Universal AVL Data Cable Kit Note: Includes GPS antenna, mobile interface adaptor (RIM/RAM), with open cable terminations for use with non-Motorola mobiles. Requires field provided mobile accessory connector.	$408.00
X		X		RRDN6993	PRAM Programming Cable Note: At least one PRAM (Programming Radio AVL Module) is required per system to program RIM/RAM module.	$528.00
X		X		RRDN7491	AVL Data Cable Kit Note: Includes GPS antenna, mobile interface module (RIM/RAM), and accessory connector for use with CM200 and CM300 mobiles.	$406.00

Mobile Accessories

HMN1035
Heavy Duty Palm Mic
With 10.5 Ft. Coil Cord

HLN9414
Universal Hang-Up Clip

HLN9227
8” Goose Neck Mounting Bracket

HMN3000
Desk Microphone

VXR7000™

Product Features:
- 12.5 kHz only Channel Spacing
- 16 Channels
- Output Power 10~50 Watts Adjustable
- Programmable Busy Channel Lock Out
- Programmable Busy Timer Lock Out
- CWID
- CTCSS / DCS Codes
- Automatic DC Power Supply Back Up
- 100% Continuous Duty Cycle

Repeater Package Items:
- Untuned duplexers for the VXR-7000 are available.
- The duplexers must be order separately.
- The desktop microphone must be ordered separately.
- Repeater CPS is downloadable from MOL.

Return Policy

VXR-7000 repeaters are supported by the Motorola Return Policy. All products must be returned with factory box, packing materials, owner's manual & warranty cards.
Contact Motorola Customer Service at 1-800-927-2744 for a return Authorization Form.

Warranty Policy:

Repeater Warranty is 3 Years.
For warranty repair, repeater must be sent to Vertex Standard directly.
A Warranty Service Authorization form can be found on MOL for further instruction, and must accompany the unit.
Vertex Accessory warranty is 1 year.
For warranty, please contact Motorola Customer Service at 1-800-927-2744 for a warranty replacement order.

Service Repair Policy:

VXR-7000 repeaters are supported by Motorola's 45 Day DOA Policy. Contact Motorola Customer Service at 1-800-927-2744 for 45 Day DOA. Repeater non-warranty repair is handled directly through Vertex Standard.
A Service Authorization form can be found on MOL and must accompany the unit. All services charges will require credit card payment.

Post Sales Support

All post sales technical inquiries and support needs should contact Vertex Standard directly at 1-800-2Vertex. All calls to Motorola will be handed off to Vertex.
The available channel stepping frequency ranges for the VXR-7000 are 2.5kHz, 5kHz, 6.25kHz, 10kHz, and 12.5kHz.

Models

Model #	Band Split	Band	Power	Conv Chan	MSRP
A13670010	150-174 MHz	VHF	50W	16	$1,650.00
A13680014	450-480 MHz	UHF	50W	16	$1,650.00

VXR7000™

Options: TO COMPLETE AN ORDER YOU MUST SELECT ONE (1) CONFIGURATION OPTION

Configuration Options

Options	Description	MSRP
AAF13X001	MD-12A8J Mobile Desktop Microphone	$102.00

General Options

Options	Description	MSRP
XUFIP0002	VHF Duplexer for VXR-7000, 148-160 MHz (Untuned)	$410.00
XUFIP0001	UHF Duplexer for VXR-7000, 440-480 MHz (Untuned)	$410.00
AAA21X001	CT-68 Duplexer Installation Cable Kit (required if duplexer is ordered)	$63.00
A06420002	VPL-1 Programming Cable	$87.00

MC1000™/MC2000™/MC2500™

All MC1000, MC2000 and MC2500 Models Include:

- 4 Frequency Station Control
- Push-to-Talk Handset
- 2 or 4 Wire
- LOTL/LOBL
- Black Color
- Volume Control / Transmit LED
- Monitor Switch
- 120V AC - 60 Hz Power Supply
- Supervisory Takeover or Line Select
- Operator Cross Mute
- Intercom
- LTR® Compatible
- Service Manual
- One Year Warranty

MC2000 MC2500 MC1000

NOTE: The MC2000 is going EOL with a last order date of September 30th, 2014

MC2000/MC2500 Additional Features:

- 18 Programmable Buttons
- 2 Line x 20 Character Backlit Display
- Multi-Frequency Capability - up to 16 freq. on Tone
- 110V/220V AC - 50/60 Hz Power Supply
- MDC Features:
  - o PTT Unit ID (Encode/Decode)
  - o Voice Selective Call (Encode/Decode
  - o Call Alert/Short Call Alert (Encode/Decode)
  - o Status Message (Decode)
  - o Radio Enable/Disable (Encode)
  - o Radio Check (Encode)
  - o Emergency Alarm (Decode)
  - o Recent User Stack - Stores last nine records
- RS232 Port - Allows RSS programming via computer or the logging of MDC1200 inbound/outbound Serial Printer Port activity for permanent record keeping on a serial printer.
- Paging Encode- Allows you to selectively call a page, A40` portable or mobile unit and eliminate the need to purchase a stand alone 5 Tone, 6 Tone, Digital Dial, Reach 1+1, GE 99, NEC 5 & 6, DTMF or Custom A and B tones.
- Aux I/O's
- Securenet Coded/Clear Operation -Supports positive mode control (Tone)

MC2500 Only Additional Features:

- 4 Base Station Control - Capable of controlling 4 Tone channels or 3 Tone channels and 1 DC channel.
- Also capable of E & M control on all channels. Use of a Tone or DC Remote Adapter is required when connected to a mobile in a tray
- Connector for Unselect Speaker
- Individual Volume Control
- Dedicated Logging Recorder Output
- Radio Patch
- Multi - Select
- Multi -Tasking
- All Mute

DC and Tone Remote Control Models Only:

- For DC and Tone Remote Control: If base is not remote capable, F37 a Remote Adapter is required (see L3276 & L3277).
- The L3213 Desksets support channel steering between 4 talkgroups over conventional or LTR® Trunking Systems.
- The L3216 and L3217 Desksets support channel steering between 15 talkgroups over conventional or LTR® Trunking Systems.

Models

Model #	Model Description	MSRP
L3213	MC1000 Tone Remote Control - 4 Frequency Maximum, 2-Wire or 4-Wire	$545.00
L3216	MC2000 Tone Remote Control - 16 Frequency Maximum, 2-Wire or 4-Wire, Parallel Status Updating	$1,300.00
L3217	MC2500 Multi-Channel Remote Control	$2,482.00

MC1000™/MC2000™/MC2500™

General Options

Options	Description	MSRP
L3276	Tone Remote Adapter	$695.00
L3277	DC Remote Adapter	$552.00
DDN6516	Headset Jackbox - adds headset capacity	$110.00
DDN6668	Single Footswitch	$94.00
HLN9457	Hardware Kit for use with the Expanded Accessory Connector	$6.95
DDN6337	Junction Box	$399.00
DDN6338	Radio Interface Cable (10 Ft.) for use with MaxTrac	$72.00
DDN6340	Generic Radio Cable (10 Ft.) - unterminated, bare leads	$50.00
DDN6481	Punch Block with Spark Gap	$405.00
DDN6341	110VAC Transformer for MC1000 models	$69.00
DDN6342	110/220VAC - 50/60 Hz Power Supply for MC2000 and MC3000 models	$219.00
DDN6339	110/220VAC - 50/60 Hz Power Supply for MC2500 models	$198.00
DDN7066	110/220VAC - 50/60 Hz Power Supply for L3276 & L3277 Remote Adapters	$195.00
RVN4178	Radio Service Software (includes CD-ROM)	$265.00
DDN6367	Radio Service Software Cable AT (DB9)	$35.00

Notes

- Intercom - Allows communication between desksets without accessing the radio frequency
- Up to 10 remotes can be used in parallel.
- MC Series remotes are not compatible with 900 MHz MaxTrac Mobiles.
- MC2000 and MC2500 units require RSS programming software.
- MC2500 unselect speaker port supports a passive speaker only.
- For unexpected out-of-box failures or quality issues, the MC Series and MC3000 must be returned for warranty repair. Please refer to the user's manual. Units will be replaced if they are sent in a total of 3 times and continue to exhibit the same problem.
- For L3276 & L3277, radio interface cable not included. Must be ordered separately.
- For technical training on Motorola products, please visit: www.motorola.com/government/techtraining

Non-Current Radio Accessories

Antennas

CP100	CP125	CP150	Model No	Description	MSRP
	X		8504762J02	VHF Helical Antenna, 155-174 MHz (14cm)	$13.50
		X	HAD9742	VHF Stubby Antenna, 146-162 MHz	$10.75
		X	HAD9743	VHF Stubby Antenna, 162-174 MHz	$10.75
	X	X	NAD6502_R	VHF Heliflex Antenna, 146-174 MHz	$11.75
		X	NAE6522_R	UHF Heliflex Stubby Antenna, 438-470 MHz	$12.25
	X		PMAD4012	VHF Stubby Antenna, 136-155 MHz (Red Color Code)	$13.25
	X		PMAD4013	VHF Stubby Antenna, 155-174 MHz (Black Color Code)	$13.25
	X		PMAD4027	VHF Helical Antenna, 136-155 MHz (15cm)	$8.00
	X		PMAE4003	UHF Stubby Antenna, 430-470 MHz (9cm)	$11.25
	X		PMAE4011	UHF Stubby Antenna, 435-480 MHz (10cm)	$8.00

NOTE: Stubby antennas will reduce range

Batteries

CP100	CP125	CP150	Model No	Description	MSRP
X			NNTN4190	NiMH, 1500 mAh, 4.8V Battery	$29.99
		X	NNTN4497_R	Li-ion, 2250 mAh, 7.5V Battery (only comp. with WPLN4138_R, WLN4161_R & NNTN8353)	$85.00
		X	NNTN4851	NiMH, 1400 mAh, 7.5V Battery (comp. with WPLN4138_R , WLN4161_R & NNTN8353)	$63.00
		X	NNTN4970	Slim Li-ion, 1600 mAh, 7.2V Battery (comp. with WPLN4138_R, WLN4161_R & NNTN8353)	$105.00
	X		PMNN4063_R	NiMH, 1500 mAh, 7.2V Battery	$45.00
	X		PMNN4078_R	Li-ion, 1500 mAh, 7.2V Battery	$50.00

Call Boxes - A1

CP100	CP125	CP150	Model No	Description	MSRP
		X	RRDN4362	Solar Wall or Pole Mounted	$2,565.00
		X	RRDN4363	AC/DC Wall or Pole Mounted	$2,465.00
		X	RRDN4365	Solar Powered with Aluminum Stanchion (A1010) w/o Base Pedestal	$3,395.00
		X	RRDN4366	AC/DC Powered with Aluminum Stanchion (A1010) w/o Base Pedestal	$3,295.00
		X	RRDN4444	A1A1010 Base Pedestal	$450.00

Call Boxes - A106.5

CP100	CP125	CP150	Model No	Description	MSRP
		X	RRDN4588	Solar Powered w/o Base Pedestal	$2,795.00
		X	RRDN4589	AC/DC Powered w/o Base Pedestal	$2,695.00
		X	RRDN7776	A106.5 Base Pedestal	$450.00

Non-Current Radio Accessories

Call Boxes - A1410

CP100	CP125	CP150	Model No	Description	MSRP
		X	RRDN4369	Solar Powered w/o Base Pedestal	$3,400.00
		X	RRDN4370	AC/DC Powered w/o Base Pedestal	$3,300.00
		X	RRDN4447	A1410 Base Pedestal	$450.00

Call Boxes - A144

CP100	CP125	CP150	Model No	Description	MSRP
		X	RRDN4590	Solar Wall or Pole Mounted	$3,275.00
		X	RRDN4591	AC/DC Wall or Pole Mounted	$3,175.00

Call Boxes - A1510

CP100	CP125	CP150	Model No	Description	MSRP
		X	RRDN7777	Solar Powered w/o Base Pedestal	$3,445.00
		X	RRDN7778	Solar Powered w/o Base Pedestal, with Public Address System (PA)	$4,000.00
		X	RRDN7779	AC/DC Powered w/o Base Pedestal	$3,345.00
		X	RRDN7780	AC/DC Powered w/o Base Pedestal, with Public Address System (PA)	$3,910.00
		X	RRDN7781	A1510 Base Pedestal	$348.00
		X	RRDN7782	A1410 Solar Powered w/o Base Pedestal, with Public Address System (PA)	$3,745.00

Call Boxes - ACB

CP100	CP125	CP150	Model No	Description	MSRP
		X	RRDN4367	Solar Wall or Pole Mounted	$2,775.00
		X	RRDN4368	AC/DC Wall or Pole Mounted	$2,675.00

Call Boxes - Mass Notification System

CP100	CP125	CP150	Model No	Description	MSRP
		X	RRDN7783	Mass Notification System	$1,945.00

Carry Cases

CP100	CP125	CP150	Model No	Description	MSRP
	X	X	4280384F89	Universal RadioPAK™ Extension Belt for waist larger than 40"	$5.00
		X	HLN6602	Universal Chest Pack with Radio Holder, Pen Holder & Velcro Secured Pocket	$38.00
		X	HLN8255	3" Spring Action Belt Clip	$6.00
		X	HLN9701	Nylon Case with Belt Loop (Resale Packaging available through RPSD)	$24.00
	X		HLN9844	2" Spring Belt Clip	$11.50
	X	X	HLN9985	Waterproof Bag, includes large carrying strap	$36.00

Non-Current Radio Accessories

Carry Cases

CP100	CP125	CP150	Model No	Description	MSRP
X			NNTN4020	Leather Case	$30.95
X			NNTN4106	Swivel Belt Holster	$14.99
	X	X	RLN4815	Universal RadioPAK™ & Utility Case (fanny pack)	$45.00
		X	RLN5383	Leather Case with Belt Loop (for use with Non-Display models)	$39.00
		X	RLN5384	Leather Case with 2.5" Swivel (for use with Non-Display models)	$45.00
		X	RLN5385	Leather Case with 3" Swivel (for use with Non-Display models)	$45.00
		X	RLN5644	2" Spring Action Belt Clip	$6.00
		X	TDN9327	Portable Radio Hanger - for door panels up to 2.75" (slides over and hangs from the door panel in vehicle). Radio Belt Clip is required for use.	$28.50
		X	TDN9373	Portable Radio Hanger - for door panels from 2.75" to 3.25" (slides over and hangs from the door panel in vehicle). Radio Belt Clip is required for use.	$18.00

Chargers

CP100	CP125	CP150	Model No	Description	MSRP
	X	X	EPNN7997	10 Hour Plug In Charger (plugs into radio accessory connector - for use with NNTN4496_R NiCd battery only)	$6.30
	X	X	EPNN9288	90-134V, Switch Mode Power Supply with NA/LA Country Plug	$24.00
X			NNTN4019_R	Drop In Charging Tray (requires NNTN4077 plug in charger)	$27.95
X			NNTN4028_R	120 Volt - 6 Unit - 7 Hour Charger (provides radio cloning capability)	$273.95
X			NNTN4075_R	120 Volt - 2 Hour Drop In Charger	$69.95
X			NNTN4077	120 Volt - 10 Hour Plug In Charger (plugs into radio side connector jack or into drop in charging tray)	$12.95
	X		PMLN5200	120V - Rapid Charger Kit with Switch Mode Power Supply (includes EPNN9288 and PMTN4086)	$43.00
	X		PMTN4073	120V - 13 Hour Wall Charger	$6.30
	X		PMTN4086	Rapid Charger Base	$30.75
	X		PMTN4087	120V - Rapid Charger Kit (includes EPNN7994 & PMTN4086)	$34.75
	X		RLN4940	120V - Slow Desktop Charger Kit (includes EPNN7997 & WPLN4203)	$27.00
	X		RLN5795	110V Rapid Rate Multi Unit Charger	$420.00
		X	WPLN4138_R	120V - 90 Minute Rapid Rate Charger with Switch Mode Power Supply (includes EPNN9288 and WPLN4137)	$57.75
		X	PMLN6588	120 Volt - 6 Unit Rapid Rate Charger	$435.00
	X		WPLN4203	Slow Desktop Charger Base	$24.00

Ear Pieces

CP100	CP125	CP150	Model No	Description	MSRP
		X	0180300E83	Body Switch Push to Talk for Ear Microphone System	$159.00
		X	0180358B33	Medium Earholder for Ear Microphone System, Black (For securing ear microphone in ear) - Additional sizes & colors available.	$20.00
		X	0180358B38	Finger Push to Talk Switch for Ear Microphone System - Intrinsically Safe (FM)	$52.50
		X	5080369E39	Extra Loud Earphone, Beige (exceeds OSHA limits)	$36.75
		X	5080370E91	Extra Loud Earphone, Black (exceeds OSHA limits)	$36.75

Non-Current Radio Accessories

Ear Pieces

CP100	CP125	CP150	Model No	Description	MSRP
		X	5080370E97	Replacement Rubber Eartips, Clear - Pack of 25 (for use with RLN6232, RLN6241)	$29.25
		X	5080384F72	Replacement Foam Plugs-Pack of 50 (for use with RLN6230, RLN6231), Noise Reduction Rating = 24dB	$116.50
		X	7580372E11	Replacement Foam Ear Cushion (for use with BDN6720)	$1.80
		X	BDN6720	Flexible Ear Receiver, Black - Earpiece without Volume Control (flexible earloop & speaker that rests external to ear - Resale Packaging through RPSD)	$35.00
X			BDN6774	Earpiece with Microphone (worn over ear with streamlined boom microphone)	$51.00
		X	HLN9132	Earbud (single wire - Receive only - not recommended for use with PL codes above 225 Hz)	$22.00
X			HMN8435	Earbud with Clip Microphone and PTT (2-wire - transmit & receive)	$40.00
		X	HMN9036	Earbud with Clip Microphone and PTT, Transmit & Receive (2-wire - not recommended for use with PL codes above 225 Hz - Resale Packaging is also available through RPSD)	$40.00
		X	HMN9727	Earpiece without Volume Control, Beige (single wire - Resale Packaging available through RPSD)	$36.75
		X	HMN9752	Earpiece with Volume Control (single wire). Beige	$45.00
		X	HMN9754	2 Piece Surveillance Kit, with Microphone and PTT Combined, Beige (2-wire - rubber eartip style - Resale Packaging available through RPSD)	$114.00
	X		PMLN4425	Earset Boom Microphone with Remote Ring PTT	$35.00
		X	PMMN4001	Ultra-Light Earpiece with Boom Microphone and In-Line PTT	$54.00
		X	RLN4894	Earpiece without Volume Control, Black (single wire)	$35.00
		X	RLN4894	Earpiece without Volume Control, Black (single wire)	$35.00
		X	RLN4895	2 Piece Surveillance Kit, with Microphone and PTT Combined, Black (2-wire - rubber eartip style)	$114.00
	X	X	RLN4941	Earpiece Receive Only with Translucent Tube	$58.00
		X	RLN5198_P	2-Wire Surveillance Kit with Clear Comfortable Acoustic Tube, Beige (Resale Packaged)	$125.00
		X	RLN5317	2-Wire Comfort Earpiece with Combined Microphone and PTT, Beige Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise enhancement (RLN6232) already attached for extra comfort and convenience.	$120.00
		X	RLN5318	2-Wire Comfort Earpiece with Combined Microphone and PTT, Black Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise enhancement (RLN6232) already attached for extra comfort and convenience.	$120.00
		X	RLN6230	Extreme Noise Kit - Includes 2 foam earplugs. For High Noise Environments. Noise Reduction = 24dB. The Quick Disconnect Adapter allows users to easily remove or alternate Acoustic Tubes (for use with Surveillance Accessories). Black	$32.00
		X	RLN6231	Extreme Noise Kit - Includes 2 foam earplugs. For High Noise Environments. Noise Reduction = 24dB. The Quick Disconnect Adapter allows users to easily remove or alternate Acoustic Tubes (for use with Surveillance Accessories). Beige	$32.00
		X	RLN6232	Low Noise Kit - Clear Acoustic Tube Assembly includes 1 Clear Rubber Eartip. For Low Noise Environments. The Quick Disconnect Adapter allows users to easily remove or alternate Acoustic Tubes (for used with Surveillance Accessories). Black	$20.00
		X	RLN6241	Low Noise Kit - Clear Acoustic Tube Assembly includes 1 Clear Rubber Eartip. For Low Noise Environments. The Quick Disconnect Adapter allows users to easily remove or alternate Acoustic Tubes (for used with Surveillance Accessories). Beige	$20.00
		X	RLN6242	Quick Disconnect Acoustic Tube Replacement (each sold separately)	$7.90

Non-Current Radio Accessories

Headsets

CP100	CP125	CP150	Model No	Description	MSRP
		X	3580371E59	Replacement Windscreen (for use with Boom Microphone) for use with BDN6647	$4.05
		X	5080371E66	Replacement Ear Pads for use with BDN6647	$8.00
		X	BDN6647	BDN6647 Medium Weight Single Muff Headset with Boom Microphone	$151.00
		X	BDN6648	Heavy Duty Headset with Noise Cancelling Boom Microphone, behind-the-head (can be worn with hardhat) - Noise Reduction Rating = 24dB	$525.00
X			BDN6773	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone	$53.00
	X	X	HMN9013	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone (Resale Packaging available through RPSD)	$57.00
		X	HMN9021	Medium Weight Dual Muff Headset, over-the-head, Noise Reduction Rating = 24dB	$237.00
		X	HMN9022	Medium Weight Dual Muff Headset, behind-the-head (can be worn with hardhat), Noise Reduction Rating = 24dB	$300.00
	X	X	PMLN5003	Retail Temple Transducer	$79.00
	X	X	PMLN5011	Temple Transducer (2 Prong)	$159.00
		X	REX4648	Replacement Windscreen (for use with Boom Microphone) and Foam Ear Pad	$7.20
		X	RKN4090	Adapter Cable for Racing Headset (for use with RMN5015)	$100.00
		X	RKN4094	Adapter Cable with In-Line PTT (for use with RMN4051 Headset)	$184.00
		X	RLN5238	NFL Style Lightweight Single Muff Headset with In-Line PTT	$125.00
		X	RLN5411	Ultra-Light Headset, behind-the-head with In-Line PTT and Boom Microphone	$60.00
		X	RLN5500	Accessory Retainer Clip	$10.75
		X	RMN4016	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone and In-Line PTT - Intrinsically Safe (FM)	$76.00
		X	RMN4051	2-Way Hard-Hat Mount Headset, Black - Noise Reduction Rating = 22dB (requires adapter cable RKN4094)	$225.00
		X	RMN5015	Racing Headset - with Noise Cancelling Swivel Boom Microphone used by pit crews on the CART racing circuit.Can be worn with hardhat.Noise Reduction Rating = 24dB (adapter cable required and sold separately)	$600.00
		X	RMN5047	NFL Style Heavy Duty Headset	$225.00

Mag One Audio

CP100	CP125	CP150	Model No	Description	MSRP
	X	X	PMLN4442	Mag One Earbud with MIC/PTT/VOX Switch	$18.00
	X	X	PMLN4443	Mag One Ear Receiver with MIC/PTT/VOX Switch	$20.00
	X	X	PMLN4444	Mag One Earset Boom Microphone with PTT/VOX	$26.00
		X	PMLN4445	Mag One Headset with PTT/VOX Switch	$30.00

Microphones

CP100	CP125	CP150	Model No	Description	MSRP
	X	X	AARLN4885	Receive-Only Foam Earbud with 3.5mm plug to be used with Remote Speaker Microphone -	$25.00
X			HMN9051	Remote Speaker Microphone with Coiled Cord and Swivel Clothing Clip	$57.75
	X	X	PMLN4620	Receive Only D- Shell Earpiece for Remote Speaker Microphone Only 3.5mm Adaptor	$19.00
		X	PMMN4008	Remote Speaker Microphone	$31.00

Non-Current Radio Accessories

Microphones

CP100	CP125	CP150	Model No	Description	MSRP
	X	X	PMMN4013	Remote Speaker Microphone with Ear Jack, Coiled Cord and Swivel Clothing Clip Intrinsically Safe (FM)	$73.50
	X	X	PMMN4029	Remote Speaker Microphone with IP57 Rating, Coiled Cord and Swivel Clothing Clip Intrinsically Safe (FM)	$75.00
	X	X	WADN4190	Ear Receiver with Coil Cable Remote Speaker Microphone Only 3.5mm Adapter	$43.00

Service

CP100	CP125	CP150	Model No	Description	MSRP
	X	X	0180357A57	120 Volt - Wall Mount Power Supply Supplies power to the RIB. Order power supply for radio separately.	$24.25
	X	X	3080369B72	9 Pin PC to Radio Interface Box Cable (IBM AT or compatible)	$52.00
		X	AAPMKN4004	Programming & Test Cable - Programming cables require a Radio Interface Box (RIB), also compatible with RLN4460 used for radio testing.	$50.00
	X		DSK001C706	Ribless Programming Cable - provides interface between computer and radio	$67.00
	X	X	RLN4008	Radio Interface Box (RIB) Voltage Level Shifter to enable communications between radio and computer's RS232 communications adapter. Requires wall mount power serial supply or 10-18 VDC power sources.	$200.00
		X	RLN4460	Test Box for Portables and Mobiles	$395.00
		X	RLN5583	Flash Upgrade Adapter	$99.75
		X	RVN4191	Portable & Mobile Programming Software (CPS) - 3 Year Subscription*	$199.00
	X		RVN4196	CP125 CPS and Tunning Software (CD) - 3 Year Subscription	$299.00

*3 Year Subscription Package - Portables require AAPMKN4004 Programming/Test Cable. Mobiles require one of the following Programming Cables & Adapter: AARKN4081 Programming Cable with FKN8096 Program Adapter, 3080070N01 Programming Cable with FKN8096 Program Adapter or AARKN4083 Programming Cable with FKN8113 Program Adapter **Note: Software requires a license agreement and is not intended for resale.**

Service Manuals

CP100	CP125	CP150	Model No	Description	MSRP
		X	6880309N61	CP150/CP200 Basic Service Manual	$12.00
	X		6881096C38	CP125 Service Manual	$20.00

--- End ----

MOTOROLA

Professional Series Price Pages

- U.S. List Version

June 2, 2014 Edition

U.S. Professional Price Pages

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N/A	N/A	N/A	N/A	N/A
MOTOTRBO Portables				
3	XPR 3300	HKVN4271	Added	MOTOTRBO Digital Telephone Interconnect
6	XPR 3500	HKVN4271	Added	MOTOTRBO Digital Telephone Interconnect
35	SL 7550/7580/7590	QA02813	Revised	Changed part number to PMLN6701
41	MOTOTRBO Portable Accessories	HKVN4101	Revised	Pricing revised. Now $0
MOTOTRBO Mobiles				
2	XPR 2500	STDMIC0776	Revised	Added note that it does not support Remote Monitor
2	XPR 2500	QA03850	Revised	Added note that it does not support Remote Monitor
2	XPR 2500	QA03848	Revised	Added note that supports Remote Monitor
18-21	XPR 5380	-	Added	* NEW PRODUCT - XPR 5380 *
22-25	XPR5580	-	Added	* NEW PRODUCT - XPR 5580 *
27	MOTOTRBO Mobile Accessories	3060665A04	Revised	Control Station accessories now compatible with the XPR 2500
27	MOTOTRBO Mobile Accessories	GKN6266	Revised	Control Station accessories now compatible with the XPR 2500
27	MOTOTRBO Mobile Accessories	GLN7318	Revised	Control Station accessories now compatible with the XPR 2500
27	MOTOTRBO Mobile Accessories	GLN7326	Revised	Control Station accessories now compatible with the XPR 2500
27	MOTOTRBO Mobile Accessories	GPN6145	Revised	Control Station accessories now compatible with the XPR 2500
27	MOTOTRBO Mobile Accessories	HKN9088	Revised	Control Station accessories now compatible with the XPR 2500
27	MOTOTRBO Mobile Accessories	HPN4007	Revised	Control Station accessories now compatible with the XPR 2500
28	MOTOTRBO Mobile Accessories	HKVN4101	Revised	Pricing revised. Now $0
Data Applications				
N/A	N/A	N/A	N/A	N/A
Digital Fixed Equipment				
4	XPR 8380/8400	DSJ9019B	Replaced	Replaced by DSJ9782
12	XRC 9000 Trunking Controller	DSJ9019B	Replaced	Replaced by DSJ9782
MOTOTRBO Product Comparison Matrix				
17	Software Licenses	HKVN4271	Added	MOTOTRBO Digital Telephone Interconnect
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16	XTL1500	G798	Revised	Pricing revised
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N/A	N/A	N/A	N/A	N/A
Pagers				
N/A	N/A	N/A	N/A	N/A
Miscellaneous				
N/A	N/A	N/A	N/A	N/A
Analog Product Comparison Matrix				
N/A	N/A	N/A	N/A	N/A

A

PROFESSIONAL PRICE PAGES

DEALER SUPPORT

Date 1/1/14 **PAYMENT & SHIPPING TERMS**

PAYMENT TERMS

Per the Motorola Authorized Dealer Contract:

"Each delivery shall be separately invoiced without regard to other deliveries. Payment for each invoice shall be according to the payment terms set forth in the Dealer Price Pages."

Standard Payment Terms 3/15, Net 30:

- 3/15, Net 30 for Elite Specialist and Specialist Partners
- 1/15, Net 30 for Authorized Partners

Elite Specialist and Specialist Partners:

- 3% Discount off the invoice total when paid within fifteen (15) days of invoice date (check must be received/deposited within 15 days of invoice date). Orders paid for by credit card are not eligible for the 3% prompt pay discount.
- Total amount due within thirty (30) days of invoice date.
- Please include completed remittance stub with your payment.
- Payment Terms of Net 90 days will be offered to all qualifying dealers.

Authorized Partners:

- 1% discount off the invoice total when paid within fifteen (15) days of invoice date (check must be received/deposited within 15 days of invoice date). Orders paid for by credit card are not eligible for the 1% discount.
- Total amount due within thirty (30) days of invoice date.
- Please include completed remittance stub with your payment.
- Payment Terms of Net 90 days will be offered to all qualifying dealers.

For more information visit Motorola Online (MOL) or contact your Area Finance Manager (AFM)

REMIT TO ADDRESSES

<table>
<tr><td>For Radio, Parts & Accessory Invoices</td><td colspan="2">For Service Invoices Remit Payment to:</td></tr>
<tr><td>Regular Mail & Overnight</td><td colspan="2">The following states remit service invoice payments to the IL addresses:
AK, AZ, CA, CO, HI, IA, ID, IL, IN, KS, KY, MA, MI, MN, MO, ND, NE, NJ,
NM, NV, NY, OH, OK, OR, PA, SD, UT, WA, &WI</td></tr>
<tr><td rowspan="4">Bank of America
13104 Collections Center Drive
Chicago, IL 60693
Attn: Motorola Lockbox Services
Phone: 312-974-1642</td><td>Overnight Delivery
Bank of America
13108 Collections Center Drive
Chicago, IL 60693
Attn: Motorola Lockbox Services
Phone: 312-974-1642</td><td>Regular Mail
Bank of America
13108 Collections Center Drive
Chicago, IL 60693
Attn: Motorola Lockbox Services
Phone: 312-974-1642</td></tr>
<tr><td colspan="2">The following states remit service invoice payments to the GA addresses:
AL, AR, CT, DC, DE, FL, GA, LA, MD, ME, MS, MT, NC, NH, RI, SC, TN,
TX, VA, VT, WV, & WY</td></tr>
<tr><td>Overnight Delivery
Bank of America
6000 Feldwood Rd
College Park, GA 30349
Attn: Motorola Lockbox 404059
Phone: 770-774-6558</td><td>Regular Mail
P.O. Box 404059
Atlanta, GA 30384-4059</td></tr>
</table>

SHIPPING TERMS

- No shipping charges will be incurred for any combination of radios, parts, and accessories on a single order totaling $10,000 or more when shipped Standard Ground Delivery. Otherwise, shipping charges for radio, parts, and accessory orders shipped Standard Ground. Delivery will be calculated based on the actual weight of the shipment, delivery zone, and shipment method.
- Shipping charges for orders shipped via Air Delivery will be based only on the total order weight.
- Hawaii and Alaska Delivery: A $10 surcharge will be added to the total shipping cost at the time of order entry for shipments going to Hawaii or Alaska.
- Motorola will ship only to a Dealer's authorized locations. Motorola will not drop ship to third parties at the request of a Dealer.
- The Dealer is responsible for paying the freight charges calculated at the time of order placement.

B

PROFESSIONAL PRICE PAGES

DEALER SUPPORT

Date 1/1/14 **GENERAL INFORMATION**

MOTOROLA ONLINE (MOL) WEB SITE

URL: https://businessonline.motorolasolutions.com

The price pages available within the PRINT ON DEMAND website are the official price pages. Hard copies are distributed twice a year. Any periodic updates to the pages will be posted on PRINT ON DEMAND.

Motorola Online presents a wide variety of ways to do business with Motorola:

- Buying Center — Includes parts & equipment purchasing
- Order Status — Get the status and detail of parts & equipment orders
- Account Status — Check on account summary, invoices, and balance
- Payment Center — Pay invoices online via a checking account
- Resource Center — Find a library of product, marketing, and sales information
- Repair Status — Obtain the status of radios you send in for repair
- Training Center — Links to the Motorola Worldwide Learning Services
- Contact Us — Two means of support – Contact Us link or 1-800-814-0601

GENERAL INFORMATION

Note: Pricing may change without notice between monthly Price Book updates.

Products not in your Price Book may be available through the "Above the Price Book Program" or the "Dealer Referral Program." For more information visit Motorola Online (MOL) or contact your Area Distribution Manager.

12/1/2012: All North America Professional and Comercial Radios in Part 90 VHF and UHF frequency bands support 12.5 kHz only operation due to the FCC Narrowbanding Mandate effective January 1st 2013. If 25 kHz is required, please contact Motorola Customer Service for details on how to obtain 25 kHz capable tools.

RETURN / REPLACEMENT PROCEDURES

Return Policy:
Motorola Solutions Radio Products and Services Division (RPSD) will accept the return of new and unused Motorola Solutions products in their origin original packaging material within 45 calendar days of the original shipment of the product. After 45 calendar days, a 20% restocking fee will be assessed. Return approval and restocking fees for site equipment will be applied per the individual supplier's policy set forth in the stated terms and conditions accompanying product packing slip. Products ordered to a specific frequency or code may not be returnable. After 90 days, no returns of new, unused equipment will be accepted by Motorola Solutions. This policy applies to all Motorola Solutions products purchased through RPSD or the Radio Systems Division, including products supplied through 3rd party suppliers, unless superseded by a large contract. For dropship purchases made through the Systems & Infrastructure Operations (SIO) and Application Products & Solutions (APS) returns must be new, unopened, and in original packaging. Requests outside of 90 days of shipment from vendor, under $500.00, or for product which is customized/special are ineligible for return. All approved returns are assessed a 15% restock fee. The vendor's return policy will supersede, and all returns are contingent upon vendor approval. In order to ensure your return is successfully processed, contact Dealer Support Services/Customer Service at 1-800-927-2744 to obtain a Return Authorization Number and shipping instructions.

45 Day Warranty Replacement:
RPSD will replace defective radios (Branded/Radius) under warranty that are returned within 45 calendar days of the end user purchase for up to one year from the factory shipment date. Defective radio(s) should be shipped with the proper documentation to:

Note: Please call 800-422-4210 to receive a preauthorization number prior to sending in a return

Motorola Customer Fulfillment Center
Attn: RPSD Program / Tracking #_____
2222 Galvin Drive
Elgin, IL 60123

C PROFESSIONAL PRICE PAGES

SERVICE FROM THE START LITE (SfS LITE)

Date 1/1/14 **WITH RADIO PURCHASE SERVICE**

I. DESCRIPTION OF SERVICE FROM THE START LITE (SfS -LITE)

SfS -LITE is an optional service plan available in addition to Motorola's standard Commercial Warranty for select Motorola manufactured two-way, data and paging subscriber equipment for an additional fee. This plan is available for purchase at the time of an equipment order. Service performed under this plan consists of repair or replacement of the covered equipment as set forth in the terms and conditions herein. Service is provided by a designated Motorola facility. This plan is extended by Motorola, Inc. ("Motorola") to the original purchaser or lessee only, and only to those purchasing or leasing for commercial, industrial, or public service use ("Customer"). This plan is not assignable or transferable to any other party and applies within the fifty (50) United States and the District of Columbia.

II. EQUIPMENT COVERED

Subscriber equipment includes portables, mobiles, pagers, and consolettes. In addition, two-way subscriber standard palm microphones and single mobile control heads are covered provided that they are required for normal operation of the equipment and are included at the point of manufacture.

III. EQUIPMENT EXCLUDED

Excluded equipment includes: encryption; analog voice secure board (manufactured by Transcrypt); custom or special products; belt clips; optional accessories; non-standard mobile microphones; iDEN accessories; iDEN mobile microphones; portable remote speaker microphones; optional or additional control heads; mobile external speakers; single and multiple unit portable chargers; batteries; mobile power and antenna cables; mobile antennas; portable antennas; power supplies; and Motorola Software. Equipment whose serial number has been removed or made illegible and will not power up is also excluded.

IV. DURATION OF COVERAGE

The duration of the plan varies by equipment model and may provide for up to three (3) years of coverage. The plan provides service coverage for one (1), two (2), or three (3) years beyond the Commercial Warranty, at a designated Motorola rate. The term of coverage begins on the first day after the Commercial Warranty expires and continues for the duration purchased as per Customer's invoice.

V. SERVICES PROVIDED

If equipment covered by plan fails to perform in accordance with the published specifications in effect at the time equipment was purchased, Motorola, at its option, will either repair or replace the equipment at a designated Motorola service facility, as listed in the service manual. Such action on the part of Motorola shall be the full extent of Motorola's liability under the plan.

Under this plan, repair includes:

A) Testing and restoring the equipment to Motorola factory specifications. Restoration, at Motorola's option, may include the replacement of parts or boards with functionally equivalent reconditioned or new parts or boards. Replaced parts, boards or remaining equipment, are covered for the time period of the plan. All replaced parts, boards or equipment shall become the property of Motorola and will not be returned to the Customer.

B) Reprogramming equipment to original operating parameters based on the Customer template, if retrievable, or from a Customer supplied backup diskette. If the Customer template is not retrievable, a generic template utilizing the latest Radio Service Software (SfS/Customer Programming Software (CPS) version for that equipment will be used.

C) Cleaning of external housing of the equipment.

D) Liquid damage coverage for ruggedized units ONLY (Units ordered with the H499/H64 option)

E) Priority Processing when repair is initiated via Motorola On-Line (MOL). Motorola will pay the inbound shipping charges only if the Customer uses the Motorola designated delivery service. For delivery service options for the Federal Technical Center call 1-800-969-6680.

Motorola will pay for outbound shipping via Motorola's published ship card.

VI. EXCLUDED SERVICES UNDER SfS LITE

This plan does not cover defects, malfunctions, performance failures or damages to the unit resulting from:

A) Use in other than its normal and customary manner

B) Misuse, vandalism, accident, Acts of God, or neglect

C) Defects or damage due to physical, chemical or liquid damage (Liquid damage is covered on units ordered with the H499/H64 ruggedized option ONLY)

D) Improper disassembly, testing, operation, maintenance, installation, modification, adjustment, alteration or repair.

This plan also excludes:

A) Radio frequency coverage or range over which the equipment will transmit and receive signals.

B) Upgrades and reprogramming.

C) Local services or annual maintenance required for maintaining normal operation of the equipment.

D) Scratches or cosmetic damage to equipment surfaces that does not affect operation.

E) Inbound freight insurance charges for declared values in excess of $100 on inbound shipments.

D

PROFESSIONAL PRICE PAGES

SERVICE FROM THE START LITE (SfS LITE)

Date 1/1/14 **WITH RADIO PURCHASE SERVICE**

VII. REQUESTING SERVICE

Customer must complete the repair request form for the designated Motorola service facility and include a copy in the box with the equipment sent for repair. The repair request form is available on-line at http://businessonline.motorola.com or upon request by calling a Motorola customer service representative at 1-800-227-6772. Federal Government Customers should call 1-800-969-6680.

Mobile control heads or accessory items sent in must reference the serial number of the main unit. If desired, Customer may supply Motorola with a 3.5" backup diskette with the software template or programming in order to assist in returning the equipment to original operating parameters. This step must be completed for equipment that will not power up. If applicable, record the current flashcode for each radio. If Motorola must utilize a generic template to restore equipment to operating condition, Customer is responsible for any programming required to restore equipment to desired parameters.

VIII. CANCELLATION

The plan is paid in full at the time of purchase and is non-cancelable and non-refundable.

IX. GENERAL PROVISIONS

THERE ARE NO WARRANTIES EXPRESS OR IMPLIED REGARDING Service FROM THE START -LITE INCLUDING, WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. LIMITATION OF LIABILITY: NOTWITHSTANDING ANY OTHER PROVISION, EXCEPT FOR PERSONAL INJURY, MOTOROLA'S TOTAL LIABILITY FOR LOSSES ARISING OUT OF OR RELATED TO THIS PLAN WHETHER FOR BREACH OF CONTRACT, NEGLIGENCE, WARRANTY, STRICT LIABILITY IN TORT, OR OTHERWISE, IS LIMITED TO THE PRICE OF TWELVE (12) MONTHS OF SERVICES PROVIDED UNDER THE PLAN FOR THE PARTICULAR EQUIPMENT COVERED. IN NO EVENT WHETHER FOR BREACH OF CONTRACT, WARRANTY, OR OTHERWISE, WILL MOTOROLA BE LIABLE FOR INCIDENTAL, SPECIAL, INDIRECT, PUNITIVE, OR CONSEQUENTIAL DAMAGES TO THE FULL EXTENT SUCH MAY BE DISCLAIMED BY LAW INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFIT OR REVENUE, LOSS OF USE OF THE PRODUCTS OR ANY ASSOCIATED EQUIPMENT, LOSS OF DATA, COST OF CAPITAL, COST OF SUBSTITUTE PRODUCT (S), FACILITIES OR SERVICES, OR DOWN TIME COSTS OR FOR ANY CLAIM AGAINST CUSTOMER BY ANY PARTY. EXCEPT FOR MONEY DUE UPON AN OPEN ACCOUNT, NO ACTION SHALL BE BROUGHT FOR ANY BREACH OF THESE PLANS MORE THAN ONE (1) YEAR AFTER THE ACCRUAL OF SUCH CAUSE OF ACTION.

X. GENERAL TERMS

A) If any court renders any portion of this plan unenforceable, the remaining terms will continue in full force and effect.
B) This plan and the rights and duties of the parties will be governed and interpreted in accordance with the laws of the State of Illinois.
C) Failure to exercise any right will not operate as a waiver of that right, power, or privilege.
D) Neither party is liable for delays or lack of performance resulting from any causes such as strikes, material shortages, or acts of God that are beyond that party's reasonable control.
E) These terms and conditions may not be altered, amended, or modified.
F) Neither party will be bound by any terms contained in Customer's purchase orders, acknowledgements or other writings.

XI. CUSTOMER SUPPORT

For questions pertaining to SfS, such as equipment covered or duration of coverage available, please contact your account representative or Motorola at 1-800-227-6772.

E PROFESSIONAL PRICE PAGES

SERVICE FROM THE START COMPREHENSIVE

Date 1/1/14 **WITH RADIO PURCHASE SERVICE**

I. DESCRIPTION OF SERVICE FROM THE START (SfS) COMPREHENSIVE

SERVICE FROM THE START (SfS) Comprehensive with Radio Purchase is an optional service plan available in conjunction with Motorola's standard Commercial Warranty for select Motorola manufactured two-way subscriber equipment listed in the Terms & Conditions herein. This plan is available for purchase at the time of an equipment order. SERVICE FROM THE START (SfS) Comprehensive with Radio Purchase provides all-component level service for the Equipment that is specifically named in the applicable agreement to which these Terms & Conditions attached or any of the agreement's subsequent revisions. Services are performed at the Radio Support Center (RSC), or Federal Technical Support Center. This plan is extended by Motorola, Inc. ("Motorola") to the original purchaser or lessee only, and only to those purchasing or leasing for commercial, industrial, or public service use ("Customer"). This plan is not assignable or transferable to any other party and applies within the fifty (50) United States and the District of Columbia.

SfS Comprehensive with Radio Purchase is only applicable on MOTOTRBO™, XTS®, XTL™ and APX™ model radios. SfS Comprehensive with Radio Purchase includes:

- Repair and or replacement of cracked housings, frames, covers, crushed components, shields, missing components, circuit boards, warped circuit boards
- Damage to LCD screens (cracks to screen, or any damage that does not pass Motorola test parameters)
- Damaged foils/traces/lands
- Electrical damage through normal use of the product
- Water/chemical corrosion
- Contaminants visible which cannot be cleaned up reliably

The customer will incur additional charges at the prevailing rates for any of the following activities, which are NOT covered under SfS Comprehensive with Radio Purchase:

- Replacement of consumable parts or accessories, as defined by product, such as batteries, antennas, and other similar items
- Damages from natural or man-made disasters where normal use of the product was not a factor, such as but not limited to fire, theft, and floods that would cause internal and external component damage or destruction.
- Non-remedial work, such as but not limited to firmware or protocol upgrades, reprogramming, and product configuration
- Repair of non-covered products
- Damages caused by using the device outside of the product's operational and environmental specifications
- Damages caused as a result of the device being modified or repaired by a third party

II. DURATION OF COVERAGE

The duration of the plan varies by equipment model and may provide for up to three (3) years of coverage. The plan can provide service coverage for up to 3 years in conjunction with the Commercial standard warranty. The term of coverage begins on the first day of receipt by the Customer of the subscriber unit, and continues for the duration purchased as per Customer's invoice.

Motorola reserves the right to monitor the repair history under this SfS Comprehensive with Radio Purchase program. Motorola may take appropriate action if appears the repair history appears to be in violation of these Terms & Conditions.

Motorola recommends a Preventative Maintenance check be completed on all ruggedized, intrinsically safe, and submersible radios so the Customer can confirm radios are operational and aligned with Motorola specifications, and are not damaged.

In addition to Equipment specifically named in the applicable agreement to which these Terms & Conditions are attached, SfS Comprehensive with Radio Purchase includes service on standard mobile palm microphones and single mobile control heads provided that they are required for normal operation of the Equipment and are included at the point of manufacture.

SfS Comprehensive with Radio Purchase excludes repairs to: optional accessories; non-standard mobile microphones; iDEN mobile microphones; portable remote speaker microphones; optional or additional control heads; mobile external speakers; mobile power and antenna cables; and power supplies. Engraving service is not covered under SfS Comprehensive with Radio Purchase.

SfS Comprehensive with Radio Purchase is paid in full at time of purchase, and is non-cancelable and non-refundable.

These Terms & Conditions are an integral part of the Motorola service program or other applicable agreement to which it is attached and made a part thereof by this reference. If there are any inconsistencies between the provisions of the Motorola service program or other applicable agreement and these Terms & Conditions, the provisions of these Terms & Conditions shall prevail.

F

PROFESSIONAL PRICE PAGES

SERVICE FROM THE START COMPREHENSIVE

Date 1/1/14 **WITH RADIO PURCHASE SERVICE**

Motorola has the following responsibilities:

1. Test and Restore the Equipment to Motorola factory specifications, including Factory Mutual (FM), and Mine Hazard Safety Association (MHSA).
2. Reprogram Equipment to original operating parameters based on the Customer template, if retrievable, or from a Customer supplied backup diskette. If the Customer template is not usable, a generic template or code plug utilizing the latest Radio Service Software (RSS) or Customer Programming Software (CPS) version for that Equipment will be used. The Equipment will require additional programming by the Customer to restore the original template. All Firmware is upgraded to the latest release for each individual product line.
3. Clean external housing of the Equipment. External components of unit will only be replaced when functionality has been diminished.
4. Replace currently manufactured Equipment if it is determined that the Equipment is unrepairable. Motorola will contact the customer to inform them if Equipment needs to be replaced and that the cycle time may be increased because of the replacement. If unrepairable Equipment is no longer manufactured, the customer will have the option of having the radio returned unrepaired to them.
5. Pay the outbound freight charges. Motorola will pay for outbound shipping via Motorola's published ship card. Motorola inbound freight charges if the Customer uses the Motorola designated delivery service.
6. Perform covered services as requested by Customer on the Motorola repair request form.
7. Process inventory adjustment requests received by email or fax from Customer. If the request is received by email, Motorola will email an acknowledgement to the sender.
8. If applicable, notify Customer of changes in Motorola designated inventory adjustment email address or fax number.

Customer has the following Responsibilities:

1. Supply Motorola complete and accurate serial numbers and model description.
2. Utilize the Motorola designated delivery service program to obtain Motorola payment for inbound shipping
3. Access the Motorola repair request form through Motorola On Line.
4. Initiate service request via Motorola On Line or complete a Motorola repair request form with contract number referenced, and submit it with each unit of Equipment sent in for service. Mobile control heads or palm microphones sent in must reference the serial number of the main unit.
5. If desired, supply Motorola with a backup CD with the Software template or programming in order to assist in returning the Equipment to original operating parameters. This step must be completed for Equipment that will not power up. If applicable, record the current flashcode for each radio.
6. If Motorola must utilize a generic template or code plug to Restore Equipment to operating condition, Customer is responsible for any programming required to Restore Equipment to desired parameters.

III. GENERAL PROVISIONS

There are no warranties express or implied regarding SfS Comprehensive with Radio Purchase, including, without limitation, the implied warranties of merchantability and fitness for a particular purpose.

Limitation of a Liability: Notwithstanding any other provision, except for personal injury, Motorola's total liability for losses arising out of or related to this plan whether for breach of contract, negligence, warranty, strict liability in tort, or otherwise, is limited to the price of twelve (12) months of services provided under the plan for the particular equipment covered.

In no event whether for breach of contract, warranty, or otherwise, will Motorola be liable for incidental, special, indirect, punitive, or consequential damages to the full extent such may be disclaimed by law including, but not limited to, loss of profit or revenue, loss of use of the products or any associated equipment, loss of data, cost of capital, cost of capital, costs of substitute product(s), facilities or services, or down time costs or for any claim against Customer by any party. Except for money due upon an open account, no action shall be brought for any breach of these plans more than one (1) year after the accrual of such cause of action.

IV. GENERAL TERMS

A) If any court renders any portion of this plan unenforceable, the remaining terms will continue in full force and effect.
B) This plan and the rights and duties of the parties will be governed and interpreted in accordance with the laws of the State of Illinois.
C) Failure to exercise any right will not operate as a waiver of that right, power, or privilege.
D) Neither party is liable for delays or lack of performance resulting from any causes such as strikes, material shortages, or acts of God that are beyond that party's reasonable control.
E) These terms and conditions may not be altered, amended, or modified.
F) Neither party will be bound by any terms contained in Customer's purchase orders, acknowledgements or other writings.

G PROFESSIONAL PRICE PAGES

LIMITED WARRANTY

Date 1/1/14 **COMMUNICATIONS PRODUCTS**

I. WHAT THIS WARRANTY COVERS AND FOR HOW LONG:

MOTOROLA INC. ("MOTOROLA") warrants its MOTOROLA manufactured Communication Products ("Product") against defects in material and workmanship under normal use and service for a period of time from the date of purchase as scheduled below:

PORTABLES	
• EX500™/EX560XLS™/EX600XLS™	Three (3) years
• HT750™/HT1250™/HT1250LS+™	Two (2) years
• MT1500™	One (1) year
• PR1500	Two (2) years
• PR400™	Two (2) years
• PR860	Two (2) years
• XPR™ 3300/XPR™ 3500	Two (2) years
• XPR™ 6100	Two (2) years
• XPR™ 6350/XPR™ 6550/XPR™ 6380/XPR™ 6580	Two (2) years + One (1) year SfS LITE
• XPR™ 7350/XPR™ 7380	Two (2) years + One (1) year SfS LITE
• XPR™ 7550/XPR™ 7580	Two (2) years + One (1) year SfS LITE
• SL7550	Two (2) years + One (1) year SfS LITE
MOBILES	
• CDM750™/CDM1250™/CDM1550™/CDM1550LS+™	Two (2) years
• PM400™	Two (2) years
• PM1200™	Two (2) years
• PM1500™	Two (2) years
• XTL™1500	One (1) year
• XPR™ 2500	Two (2) years + One (1) year SfS LITE
• XPR™ 4350/XPR™ 4550/XPR™ 4380/XPR™ 4580	Two (2) years + One (1) year SfS LITE
• XPR™ 5350/XPR™ 5550	Two (2) years + One (1) year SfS LITE
FIXED EQUIPMENT	
• XPR™ Repeaters	Two (2) years
• MTR3000™ Repeater	Two (2) years
• XRC9000™ Controller	Two (2) years
• XRT9000™ Gateway	Two (2) years
• MIP™5000	One (1) year
PAGERS - All	One (1) year
ACCESSORIES	One (1) year

- Speaker Microphones and Cords
- Rechargeable Batteries
- Headsets and Earpieces
- Mobile Microphones and Cords
- Carrying Cases
- Chargers
- Power Supplies
- External Speakers
- Antennas
- Duplexers
- Telephone Interconnects
- DC and Tone Remote Adapters

Rechargeable Batteries will be replaced during the applicable warranty period if:

A) the battery capacity falls below 80% of rated capacity, or

B) the battery develops leakage.

MOTOROLA, at its option, will at no charge either repair or replace this Product during the warranty period provided it is returned in accordance with the terms of this warranty to the place of purchase. Repair, at MOTOROLA's option, may include the replacement of parts or boards with functionally equivalent reconditioned or new parts or boards. Replaced parts or boards are warranted for the balance of the original applicable warranty period. All replaced parts or Product shall become the property of MOTOROLA.

This express limited warranty is extended by MOTOROLA to the original end user purchaser or lessee only and is not assignable or transferable to any other party. This is the complete warranty for Product manufactured by MOTOROLA. MOTOROLA assumes no obligations or liability for additions or modifications to this warranty unless made in writing and signed by an officer of MOTOROLA. Unless made in a separate agreement between MOTOROLA and the original end user purchaser, MOTOROLA does not warrant the installation, maintenance or service of the product.

MOTOROLA cannot be responsible in any way for any ancillary equipment not furnished by MOTOROLA which is attached to or used in connection with Product, or for operation of the Product with any ancillary equipment and all such equipment is expressly excluded from this warranty. Because each system which may use the Product is unique, MOTOROLA disclaims liability for range, coverage or operation of the system as a whole under this warranty.

II. WHAT THIS WARRANTY DOES NOT COVER:

A) Defects or damage resulting from use of the Product in other than its normal and customary manner.

B) Defects or damage from misuse, accident, water, or neglect.

C) Defects or damage from improper testing, operation, maintenance, installation, alteration, modification, or adjustment.

D) Breakage or damage to antennas unless caused directly by defects in material workmanship.

E) A Product subjected to unauthorized Product modifications, disassemblies, or repairs (including, without limitation, the addition to the Product of non-MOTOROLA supplied equipment) which adversely affect performance of the Product or interfere with MOTOROLA's normal warranty inspection and testing of the Product to verify any warranty claim.

F) Product which has had the serial number removed or made illegible.

G) Rechargeable batteries if:

i) any of the seals on the battery enclosure of cells are broken or show evidence of tampering.

ii) the damage or defect is caused by charging or using the battery in equipment or service other than the Product for which it is specified.

H) Freight costs to the repair depot. Unapproved upgrades or modifications.

i) A Product which, due to illegal or unauthorized alteration of the software/firmware in the Product, does not function in accordance with MOTOROLA's published specifications or the FCC type acceptance labeling in effect for the Product at the time the Product was initially distributed from MOTOROLA.

III. HOW TO GET WARRANTY SERVICE:

To receive warranty service, deliver or send the Product, transportation and insurance prepaid, to the place of purchase along with your proof of purchase or lease and transceiver serial number. Alternatively, call 1-800-927-2744 for other locations.

IV. GENERAL PROVISIONS:

This warranty sets forth the full extent of MOTOROLA's responsibilities regarding the PRODUCT. Repair, replacement or refund of the purchase price, at MOTOROLA'S option, is the exclusive remedy. THIS WARRANTY IS GIVEN IN LIEU OF ALL OTHER EXTENDED WARRANTIES. IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. IN NO EVENT SHALL MOTOROLA BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT, FOR ANY LOSS OF USE, LOSS OF TIME, INCONVENIENCE, COMMERCIAL LOSS, LOST PROFITS OR SAVINGS OR OTHER INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE SUCH PRODUCT, TO THE FULL EXTENT SUCH MAY BE DISCLAIMED BY LAW.

V. PATENT AND SOFTWARE PROVISIONS:

MOTOROLA will defend at its own expense any suit brought against the end user purchaser to the extent that it is based on a claim that the Product or parts infringes a United States patent, and MOTOROLA will pay those costs and damages finally awarded against the end user purchaser in any such suit which are attributable to any such claim, but such defense and payments are conditioned on the following:

i) That MOTOROLA will be notified promptly in writing by such purchaser of any notice of such claim.

ii) That MOTOROLA will have sole control of the defense of such suit and all negotiations for its settlement or compromise and;

iii) Should the Product or parts become, or in MOTOROLA's opinion be likely to become, the subject of a claim of infringement of a United States patent, that such purchaser will permit MOTOROLA, at its option and expense, either to procure for such purchaser the right to continue using the Product or parts or to replace or modify the same so that it becomes non-infringing or to grant such purchaser a credit for the Product or parts as depreciated and accept its return. The depreciation will be an equal amount per year over the lifetime of the Product or parts as established by MOTOROLA.

MOTOROLA will have no liability with respect to any claim of patent infringement which is based upon the combination of the Product or parts furnished hereunder with software, apparatus or devices not furnished by MOTOROLA. Nor will MOTOROLA have any liability for the use of ancillary equipment or software not furnished by MOTOROLA which is attached to or used in connection with the Product. The foregoing states the entire liability of MOTOROLA with respect to infringement of patents by the Product or any parts thereof.

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VI. STATE LAW RIGHTS:

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY.

This warranty gives specific legal rights, and there may be other rights which may vary from state to state.

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Date 1/1/14
SUGGESTED RETAIL

XPR™ 3300
VHF & UHF PORTABLES
6.25e/12.5 kHz

Standard Package Includes:

- Slim Li-ion 1500mAh Battery (PMNN4406_R)
- IMPRES™ Single-Unit Charger (WPLN4232)
- UHF or VHF Antenna (must select appropriate option)
- 2" Belt Clip (PMLN4651)
- Accessory Dust Cover (PMLN6066)
- Two Year Warranty

Main Radio Features: [1]

Max. Number of Channels	16
Display	N/A
Keypad	N/A
Menu Navigation Buttons	N/A
Side Programmable Buttons	2
Front Programmable Buttons	N/A
Top Channel Knob Positions	16
Top Programmable (Orange) Button	N/A
Ingress Protection Rating	IP55

Enhanced Radio Features: [1]

GPS	N/A
Intrinsically Safe Option	N/A
Expansion Card	N/A
Bluetooth Audio	N/A
Accessory RF Port (for PSM)	N/A
Third Party Applications	N/A

Systems Supported: [1]

Analog Conventional	✓
Digital Conventional	✓
IP Site Connect	Optional
Capacity Plus	Optional
Linked Capacity Plus	Optional
Connect Plus	N/A
LTR/PassPort	N/A

Notes:

1. Please refer to the MOTOTRBO Subscriber Matrix Section for more details on features supported on each type of system.

Frequencies Not Allowed for XPR 3300:

139.195	144.000	152.315	163.195	172.800	432.010	470.400
139.200	144.005	153.595	163.200	172.805	441.600	479.985
139.205	148.795	153.600	163.205	403.200	449.545	480.000
143.695	148.800	153.605	167.995	412.800	449.550	480.015
143.700	148.805	158.395	168.000	422.400	449.555	499.200
143.705	152.305	158.400	168.005	431.990	451.200	508.800
143.995	152.310	158.405	172.795	432.000	460.800	

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Date 1/1/14

SUGGESTED RETAIL

XPR™ 3300

VHF & UHF PORTABLES

MODELS AND OPTIONS

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MSRP
136-174 MHz	VHF	1W to 5W (ships 5W)	16	AAH02JDC9JA2_N (Non-Display)	$575.00
403-512 MHz	UHF	1W to 4W (ships 4W)	16	AAH02RDC9JA2_N (Non-Display)	$616.67

FCC INFORMATION VHF: ABZ99FT3088, UHF: ABZ99FT4089

Options: TO COMPLETE AN ORDER YOU MUST SELECT ONE (1) CHOICE FOR EACH STEP

STEP 1:

Battery Options:

STDBAT0446	Standard Battery - Slim Li-ion, 1500 mAh Battery (PMNN4406_R)	N/C
QA02300	IMPRES Slim Li-Ion, 1500 mAh Battery (PMNN4407_R)	$25.00
QA02309	IMPRES Hi-Cap Li-Ion, 2150 mAh Battery (PMNN4409_R)	$33.33

STEP 2:

Charger Options:

STDCHG0446	Standard Charger - IMPRES Single Unit Charger (WPLN4232)	N/C
	With CEC Compliant Switch Mode Power Supply for customers in CA, OR, and WA	
H951	Omit Standard Charger	-$20.00

STEP 3:

Antenna Options - You MUST choose one:

VHF Antenna Options:

QA02299	VHF Helical Antenna 136-155 MHz (PMAD4117)	N/C
QA02308	VHF Helical Antenna 144-165 MHz (PMAD4116)	N/C
QA02310	VHF Helical Antenna 152-174 MHz (PMAD4118)	N/C
QA02307	VHF Stubby Antenna 136-148 MHz (PMAD4119)	N/C
QA02305	VHF Stubby Antenna 160-174 MHz (PMAD4121)	N/C
QA02306	VHF Stubby Antenna 146-160 MHz (PMAD4120)	N/C

UHF Antenna Options:

QA02304	UHF Slim Whip Antenna, 403-512 MHz (PMAE4079)	N/C
QA02303	UHF Stubby Antenna, 403-450 MHz (PMAE4069)	N/C
QA02302	UHF Stubby Antenna, 440-490 MHz (PMAE4070)	N/C
QA02301	UHF Stubby Antenna, 470-512 MHz (PMAE4071)	N/C
H112	Omit Antenna	-$3.50

STEP 4:

Shipping Box Options:

STDBOX0446	Standard Model Box	N/C
H415	Bulk Packaging (minimum 10 units per line item)	N/C

STEP 5:

Warranty Options:

STDWAR0446	Standard 2-Year Warranty	N/C

Portables - Page 3
Date 6/2/14
SUGGESTED RETAIL

XPR™ 3300
VHF & UHF PORTABLES
OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP
General Options:		
Accessories		
QA02772	IMPRES Noise-Cancelling RSM w/3.5mm Audio Jack (PMMN4071)	$85.00
QA02773	IMPRES Windporting RSM w/3.5mm Audio Jack (PMMN4073)	$80.00
QA02774	2-Wire Surveillance Kit Black with Translucent Tube (PMLN5724)	$38.00
QA02775	2-Wire Surveillance Kit Beige with Translucent Tube (PMLN5726)	$38.00
Service from the Start		
Q884	ADD: 1-Year Service from the Start -LITE Provides for 1 year of extended hardware coverage beginning after the 2 year standard warranty that ships standard with the unit for a total coverage period of 3 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$38.00
H885	ADD: 2-Year Service from the Start - LITE Provides for 2 years of extended hardware coverage beginning after the 2 year standard warranty that ships standard with the unit for a total coverage period of 4 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$73.00
H886	ADD: 3-Year Service from the Start - LITE Provides for 3 years of extended hardware coverage beginning after the 2 year standard warranty that ships standard with the unit for a total coverage period of 5 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$108.00
HA00022	ADD: Service from the Start Comprehensive Provides 3 years of hardware repair coverage and chemical, liquid, and other physical damage on your Motorola portable and mobile subscriber radios. Comprehensive coverage starts from the first day the radio is put into use. Repairs will made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$184.00
Premium Software Features:		
HKVN4084	MOTOTRBO Enhanced Privacy	$50.00
HKVN4085	MOTOTRBO Transmit Interrupt Encode	$50.00
HKVN4086	MOTOTRBO Subscriber System Bundle (Capacity Plus & Linked Capacity Plus)	$166.00
HKVN4154	MOTOTRBO IP Site Connect	$83.00
HKVN4155	MOTOTRBO Linked Capacity Plus Upgrade from IP Site Connect	$83.00
HKVN4271	MOTOTRBO Digital Telephone Interconnect	$33.50

Portables - Page 4
Date 1/1/14
SUGGESTED RETAIL

XPR™ 3500
VHF & UHF PORTABLES
6.25e/12.5 kHz

Standard Package Includes:

- Slim Li-ion 1500mAh Battery (PMNN4406_R)
- IMPRES™ Single-Unit Charger (WPLN4232)
- UHF or VHF Antenna (must select appropriate option)
- 2" Belt Clip (PMLN4651)
- Accessory Dust Cover (PMLN6066)
- Two Year Warranty

Main Radio Features: [1]

Max. Number of Channels	128
Display	Monochrome
Keypad	Limited
Menu Navigation Buttons	✓
Side Programmable Buttons	2
Front Programmable Buttons	2
Top Channel Knob Positions	16
Top Programmable (Orange) Button	N/A
Ingress Protection Rating	IP55

Enhanced Radio Features: [1]

GPS	N/A
Intrinsically Safe Option	N/A
Expansion Card	N/A
Bluetooth Audio	N/A
Accessory RF Port (for PSM)	N/A
Third Party Applications	N/A

Systems Supported: [1]

Analog Conventional	✓
Digital Conventional	✓
IP Site Connect	Optional
Capacity Plus	Optional
Linked Capacity Plus	Optional
Connect Plus	N/A
LTR/PassPort	N/A

Notes:

1. Please refer to the MOTOTRBO Subscriber Matrix Section for more details on features supported on each type of system.

Frequencies Not Allowed for XPR 3500:

139.195	144.000	152.315	163.195	172.800	432.010	470.400
139.200	144.005	153.595	163.200	172.805	441.600	479.985
139.205	148.795	153.600	163.205	403.200	449.545	480.000
143.695	148.800	153.605	167.995	412.800	449.550	480.015
143.700	148.805	158.395	168.000	422.400	449.555	499.200
143.705	152.305	158.400	168.005	431.990	451.200	508.800
143.995	152.310	158.405	172.795	432.000	460.800	

Portables - Page 5

Date 1/1/14

SUGGESTED RETAIL

XPR™ 3500

VHF & UHF PORTABLES

MODELS AND OPTIONS

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MSRP
136-174 MHz	VHF	1W to 5W (ships 5W)	128	AAH02JDH9JA2_N (Display, Limited Keypad)	$633.33
403-512 MHz	UHF	1W to 4W (ships 4W)	128	AAH02RDH9JA2_N (Display, Limited Keypad)	$675.00

FCC INFORMATION VHF: ABZ99FT3088, UHF: ABZ99FT4089

Options: TO COMPLETE AN ORDER YOU MUST SELECT ONE (1) CHOICE FOR EACH STEP

STEP 1:

Battery Options:

STDBAT0867	Standard Battery - Slim Li-ion, 1500 mAh Battery (PMNN4406_R)	N/C
QA02300	IMPRES Slim Li-Ion, 1500 mAh Battery (PMNN4407_R)	$25.00
QA02309	IMPRES Hi-Cap Li-Ion, 2150 mAh Battery (PMNN4409_R)	$33.33

STEP 2:

Charger Options:

STDCHG0867	Standard Charger - IMPRES Single Unit Charger (WPLN4232)	N/C
	With CEC Compliant Switch Mode Power Supply for customers in CA, OR, and WA	
H951	Omit Standard Charger	-$20.00

STEP 3:

Antenna Options - You MUST choose one:

VHF Antenna Options:

QA02299	VHF Helical Antenna 136-155 MHz (PMAD4117)	N/C
QA02308	VHF Helical Antenna 144-165 MHz (PMAD4116)	N/C
QA02310	VHF Helical Antenna 152-174 MHz (PMAD4118)	N/C
QA02307	VHF Stubby Antenna 136-148 MHz (PMAD4119)	N/C
QA02305	VHF Stubby Antenna 160-174 MHz (PMAD4121)	N/C
QA02306	VHF Stubby Antenna 146-160 MHz (PMAD4120)	N/C

UHF Antenna Options:

QA02304	UHF Slim Whip Antenna, 403-512 MHz (PMAE4079)	N/C
QA02303	UHF Stubby Antenna, 403-450 MHz (PMAE4069)	N/C
QA02302	UHF Stubby Antenna, 440-490 MHz (PMAE4070)	N/C
QA02301	UHF Stubby Antenna, 470-512 MHz (PMAE4071)	N/C
H112	Omit Antenna	-$3.50

STEP 4:

Shipping Box Options:

STDBOX0867	Standard Model Box	N/C
H415	Bulk Packaging (minimum 10 units per line item)	N/C

STEP 5:

Warranty Options:

STDWAR0867	Standard 2-Year Warranty	N/C

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Date 6/2/14
SUGGESTED RETAIL

XPR™ 3500
VHF & UHF PORTABLES
OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP
General Options:		
Accessories		
QA02772	IMPRES Noise-Cancelling RSM w/3.5mm Audio Jack (PMMN4071)	$85.00
QA02773	IMPRES Windporting RSM w/3.5mm Audio Jack (PMMN4073)	$80.00
QA02774	2-Wire Surveillance Kit Black with Translucent Tube (PMLN5724)	$38.00
QA02775	2-Wire Surveillance Kit Beige with Translucent Tube (PMLN5726)	$38.00
Service from the Start -LITE		
Q884	ADD: 1-Year Service from the Start -LITE Provides for 1 year of extended hardware coverage beginning after the 2 year standard warranty that ships standard with the unit for a total coverage period of 3 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$38.00
H885	ADD: 2-Year Service from the Start -LITE Provides for 2 years of extended hardware coverage beginning after the 2 year standard warranty that ships standard with the unit for a total coverage period of 4 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$73.00
H886	ADD: 3-Year Service from the Start -LITE Provides for 3 years of extended hardware coverage beginning after the 2 year standard warranty that ships standard with the unit for a total coverage period of 5 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$108.00
HA00022	ADD: Service from the Start Comprehensive Provides 3 years of hardware repair coverage and chemical, liquid, and other physical damage on your Motorola portable and mobile subscriber radios. Comprehensive coverage starts from the first day the radio is put into use. Repairs will made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$184.00
Premium Software Features:		
For more information, please refer to the Software License section.		
HKVN4084	MOTOTRBO Enhanced Privacy	$50.00
HKVN4085	MOTOTRBO Transmit Interrupt Encode	$50.00
HKVN4086	MOTOTRBO Subscriber System Bundle (Capacity Plus & Linked Capacity Plus)	$166.00
HKVN4154	MOTOTRBO IP Site Connect	$83.00
HKVN4155	MOTOTRBO Linked Capacity Plus Upgrade from IP Site Connect	$83.00
HKVN4271	MOTOTRBO Digital Telephone Interconnect	$33.50

Portables - Page 7
Date 1/1/14
SUGGESTED RETAIL

XPR™ 6100
VHF & UHF PORTABLES
6.25e/12.5 kHz

Standard Package Includes:

- IMPRES™ Li-ion 1500 mAh Battery (PMNN4066)
- IMPRES™ Single-Unit Charger (WPLN4232)
- UHF or VHF Antenna (must select appropriate option)
- 2.5" Belt Clip (PMLN4652)
- Two Year Warranty

Main Radio Features: [1]

Max. Number of Channels	32
Display	N/A
Keypad	N/A
Menu Navigation Buttons	N/A
Side Programmable Buttons	3
Front Programmable Buttons	N/A
Top Channel Knob Positions	16
Top Programmable (Orange) Button	N/A
Ingress Protection Rating	IP54

Enhanced Radio Features: [1]

GPS	N/A
Intrinsically Safe Option	N/A
Expansion Card	N/A
Bluetooth Audio	Optional
Accessory RF Port (for PSM)	N/A
Third Party Applications	N/A

Systems Supported: [1]

Analog Conventional	✓[2]
Digital Conventional	✓[2]
IP Site Connect	N/A [3]
Capacity Plus	N/A
Connect Plus	N/A
LTR/PassPort	N/A
Linked Capacity Plus	N/A

The XPR 6100 requires the PMKN4012B Programming Cable or PMKN4013C Programming and Test/Aligning Cable

Notes:

1. Please refer to the MOTOTRBO Subscriber Matrix Section for more details on features supported on each type of system.
2. The XPR 6100 supports a subset of the Analog and Digital features available in higher priced models. See MOTOTRBO Subscriber Matrix Section for more details.
3. The XPR 6100 does not support IPSC roaming or other IPSC features available in higher priced models. See MOTOTRBO Subscriber Matrix Section for more details.
4. Requires wireless adapter (PMLN5712)

Frequencies not allowed for XPR 6100:

142.674	147.445	157.624	167.995	409.225	420.005	432.005	442.370	458.340
142.675	147.455	157.625	168.000	409.230	425.595	436.795	443.995	458.345
142.676	147.465	157.626	168.005	409.235	425.600	436.800	444.000	466.920
143.900	151.195	161.900	172.020	414.000	425.605	436.805	444.005	466.930
144.000	151.200	162.000	172.030	417.780	431.095	441.965	450.000	466.940
144.100	151.205	162.100	172.040	417.790	431.100	441.970	453.595	467.995
147.315	155.900	163.685	403.195	417.800	431.105	441.975	453.600	468.000
147.320	156.000	163.690	403.200	419.995	431.995	442.350	453.605	468.005
147.325	156.100	163.695	403.205	420.000	432.000	442.360	458.335	

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Date 1/1/14
SUGGESTED RETAIL

XPR™ 6100
VHF & UHF PORTABLES
MODELS AND OPTIONS

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MSRP
136-174 MHz	VHF	1W to 5W (ships 5W)	32	AAH55JDT9JA1AN (Non-Display)	$625.00
403-470 MHz	UHF	1W to 4W (ships 4W)	32	AAH55QDT9JA1AN (Non-Display)	$658.33
450-512 MHz	UHF	1W to 4W (ships 4W)	32	AAH55TDT9JA1AN (Non-Display)	$658.33

FCC INFORMATION UHF: AZ489FT4876, VHF: AZ489FT3815, UHF2: AZ489FT4884

Options: TO COMPLETE AN ORDER YOU MUST CHOOSE ONE (1) OPTION FROM EACH STEP BELOW

STEP 1:

Battery Options:

STDBAT0778	Standard Battery - IMPRES Li-ion, 1500 mAh, 7.2V, Battery (PMNN4066)	N/C
QA00679	IMPRES Li-ion, 2200 mAh, 7.2V, Battery (PMNN4077)	$30.00
QA00365	NiMH, 1300 mAh, 7.2V, Battery (PMNN4065A)	-$10.00

STEP 2:

Charger Options:

STDCHG0778	Standard Charger - IMPRES Single Unit Charger (WPLN4232)	N/C
H951	Omit Standard Charger	-$20.00

STEP 3:

Antenna Choices - You MUST choose one:

VHF Antenna Options: [1]

QA00682	VHF GPS Whip Antenna 136-147 MHz (PMAD4067)	N/C
QA00683	VHF GPS Whip Antenna 147-160 MHz (PMAD4068)	N/C
QA00684	VHF GPS Whip Antenna 160-174 MHz (PMAD4069)	N/C

UHF Band 1 Antenna Options: [1]

QA00329	UHF GPS Whip Antenna 430-470 MHz (PMAE4024)	N/C
QA00407	UHF GPS Whip Antenna 403-433 MHz (PMAE4018)	N/C
QA00517	UHF GPS Stubby Antenna 430-470 MHz (PMAE4023)	N/C
QA00750	UHF GPS Stubby Antenna 403-433 MHz (PMAE4021)	N/C

UHF Band 2 Antenna Options: [1]

QA00517	UHF GPS Stubby Antenna 430-470 MHz (PMAE4023)	N/C
QA00985	UHF GPS Whip Antenna, 450-495 MHz (PMAE4050)	N/C
QA00986	UHF GPS Whip Antenna, 495-527 MHz (PMAE4051)	N/C
QA00988	UHF GPS Stubby Antenna, 450-527 MHz (PMAE4048)	N/C
H112	Omit Standard Antenna	-$3.50

1. The GPS capability of these antennas is only applicable when used in combination with GPS enabled radios.

STEP 4:

Dust Cover Option:

STDACC0778	Standard Configuration - No Accessory Connector Dust Cover	N/C
QA03037	Add Accessory Connector Dust Cover (1571477L01)	$5.00

STEP 5:

Shipping Box Options:

STDBOX0778	Standard Model Box	N/C
H415	Bulk Packaging (Minimum 10 units per line item)	N/C

Portables - Page 9
Date 1/1/14
SUGGESTED RETAIL

XPR™ 6100
VHF & UHF PORTABLES
OPTIONS

MODEL NUMBER		MSRP
General Options:		
QA00505	IMPRES Remote Speaker Microphone with 3.5mm Audio Jack (PMMN4025)	$90.00
QA00507	Lightweight Headset (RMN5058)	$99.00
QA02776	Portable Programming Cable (PMNK4012B)	$67.50
Q884	Add: 1 Year from the Start - LITE Provides for 1 year of extended hardware coverage beginning after the 2 year standard warranty that ships standard with the unit for a total coverage period of 3 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$38.00
H885	ADD: 2 Year from the Start - LITE Provides for 2 years of extended hardware coverage beginning after the 2 year standard warranty that ships standard with the unit for a total coverage period of 4 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$73.00
H886	ADD: 3 Year from the Start - LITE Provides for 3 years of extended hardware coverage beginning after the 2 year standard warranty that ships standard with the unit for a total coverage period of 5 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$108.00
HA00022	ADD: Service from the Start Comprehensive Provides 3 years of hardware repair coverage and chemical, liquid, and other physical damage on your Motorola portable and mobile subscriber radios. Comprehensive coverage starts from the first day the radio is put into use. Repairs will made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$184.00

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Date 1/1/14
SUGGESTED RETAIL

XPR™ 6350
VHF & UHF PORTABLES
6.25e/12.5 kHz

Standard Package Includes:

- IMPRES™ Li-ion 2150mAh Battery (PMNN4077)
- IMPRES™ Single-Unit Charger (WPLN4232)
- UHF or VHF GPS Antenna (must select appropriate option)
- 2.5" Belt Clip (PMLN4652)
- Accessory Dust Cover
- Two Year Warranty
- One Year Service from the Start -LITE

Main Radio Features: [1]

Max. Number of Channels	32
Display	N/A
Keypad	N/A
Menu Navigation Buttons	N/A
Side Programmable Buttons	3
Front Programmable Buttons	N/A
Top Channel Knob Positions	16
Top Programmable (Orange) Button	✓
Ingress Protection Rating	IP57

Enhanced Radio Features: [1]

GPS	✓
Intrinsically Safe Option	Optional
Expansion Card	Optional
Bluetooth Audio [2]	Optional
Accessory RF Port (for PSM)	✓
Third Party Applications	✓

Systems Supported: [1]

Analog Conventional	✓
Digital Conventional	✓
IP Site Connect	✓
Capacity Plus	✓
Connect Plus [3]	Optional
LTR/PassPort	N/A
Linked Capacity Plus	✓

Notes:

1. Please refer to the MOTOTRBO Subscriber Matrix Section for more details on features supported on each type of system.
2. Requires wireless adapter PMLN5712.
3. Requires option QA02005 and license HKLN4457.

Frequencies Not Allowed for XPR 6350:

142.674	147.455	157.626	172.020	417.780	431.100	441.975
142.675	147.465	161.900	172.030	417.790	431.105	442.350
142.676	151.195	162.000	172.040	417.800	431.995	442.360
143.900	151.200	162.100	403.195	419.995	432.000	
144.000	151.205	163.685	403.200	420.000	432.005	
144.100	155.900	163.690	403.205	420.005	436.795	
147.315	156.000	163.695	409.225	425.595	436.800	
147.320	156.100	167.995	409.230	425.600	436.805	
147.325	157.624	168.000	409.235	425.605	441.965	
147.445	157.625	168.005	414.000	431.095	441.970	

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SUGGESTED RETAIL

XPR™ 6350
VHF & UHF PORTABLES
MODELS AND OPTIONS

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MSRP
136-174 MHz	VHF	1W to 5W (ships 5W)	32	AAH55JDC9LA1_N (Non-Display with GPS)	$960.00
403-470 MHz	UHF1	1W to 4W (ships 4W)	32	AAH55QDC9LA1_N (Non-Display with GPS)	$1,001.67
450-512 MHz	UHF2	1W to 4W (ships 4W)	32	AAH55TDC9LA1_N (Non-Display with GPS)	$1,001.67

FCC INFORMATION UHF: AZ489FT4876, VHF: AZ489FT3815, UHF2: AZ489FT4884

INTRINSICALLY SAFE (FM): QA00366AB (PMNN4069A) is rated Intrinsically Safe for use in Division 1, Classes I, II, III, Groups C, D, E, F and G.

Options: TO COMPLETE AN ORDER YOU MUST CHOOSE ONE (1) OPTION FROM EACH STEP BELOW

STEP 1:

Battery Choices:

STDBAT0977	Standard Battery - IMPRES Li-ion, 2200 mAh, 7.2V, Submersible (IP57) Battery (PMNN4077)	N/C
QA01964	IMPRES Li-ion, 1500 mAh, 7.2V, Submersible (IP57) Battery (PMNN4066)	N/C
QA00365	NiMH, 1300 mAh, 7.2V, Submersible (IP57) Battery (PMNN4065)	-$10.00
QA00366	IMPRES Li-ion, 1400 mAh, 7.2V, Submersible (IP57) Battery - Intrinsically Safe (FM/CSA) (PMNN4069)	$50.00

The XPR 6350, XPR 6550, XPR 6380 and XPR 6580 Intrinsically safe, FM Approved, portable radio units MUST be ordered and shipped from Motorola with the FM option QA00366 - Li-Ion battery PMNN4069, for the radios to be labeled as FM Approved in accordance with Canada and US Codes as intrinsically safe for use in Class I, II, III, Division 1, Groups C,D,E,F,G, and Division 2, Class I, Groups A,B,C,D.

STEP 2:

Charger Choices:

STDCHG0977	Standard Charger - IMPRES Single Unit Charger (WPLN4232) With CEC Compliant Switch Mode Power Supply for customers in CA, OR, and WA	N/C
H951	Omit Standard Charger	-$20.00

STEP 3:

Antenna Choices - You MUST choose one:

VHF Antenna Options: *(all antennas will work with both XPR™ 6300 and XPR™ 6350)*

QA00682	VHF GPS Whip Antenna 136-147 MHz (PMAD4067)	N/C
QA00683	VHF GPS Whip Antenna 147-160 MHz (PMAD4068)	N/C
QA00684	VHF GPS Whip Antenna 160-174 MHz (PMAD4069)	N/C

UHF1 Antenna Options:

QA00407	UHF1 GPS Whip Antenna 403-433 MHz (PMAE4018)	N/C
QA00329	UHF1 GPS Whip Antenna 430-470 MHz (PMAE4024)	N/C
QA00517	UHF1 GPS Stubby Antenna 430-470 MHz (PMAE4023) NOTE: This Antenna will work on both Non-GPS Radios (XPR 6300 & XPR 6500)	N/C

UHF2 Antenna Options:

QA00985	UHF1 GPS Whip Antenna, 450-495 MHz (PMAE4050)	N/C
QA00986	UHF1 GPS Whip Antenna, 495-527 MHz (PMAE4051)	N/C
QA00988	UHF1 GPS Stubby Antenna, 450-527 MHz (PMAE4048)	N/C
H112	Omit Standard Antenna	-$3.50

STEP 4:

The XPR Series portables ship with a Standard 2-year parts and labor warranty. Additionally, they ship standard with a 1- year Service from the Start - LITE (SfS) option for 3 years of total coverage. The 1- year of SfS coverage can be omitted by selecting the QA00510 option, which would provide only 2 years of standard warranty coverage. Additional SfS-LITE options are also available in the General Options section. Local Services are not included, contact your Customer Support Manager to put units on a Local Support Contract.

Service from the Start Choices:

STDRSA0977	Standard 2 Year Warranty + 1 Year Service from the Start - LITE (3 years of Coverage)	N/C
QA00510	Omit 1 Year Service from the Start -LITE(Omitting this option would provide 2 years of Standard Warranty)	-$11.00

XPR™ 6350
VHF & UHF PORTABLES
OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP

Service from the Start Choices (continued):

HA00022 — ADD: Service from the Start Comprehensive — $184.00

Provides 3 years of hardware repair coverage and chemical, liquid, and other physical damage on your Motorola portable and mobile subscriber radios. Comprehensive coverage starts from the first day the radio is put into use. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option. ***This SfS Comprehensive option is provided at an $11 discount to override the existing 1-year SfS that is already tied to the radio.***

MOTOTRBO Connect Plus Trunking Operation:

MOTOTRBO Connect Plus is the next generation professional digital trunking communications solution that provides enhanced performance, productivity and value for two-way radio users. Please refer to the XRC 9000 Controller section (under Fixed Equipment) for more information on how to order Connect Plus trunking systems.

QA02005 — Connect Plus Trunking Operation — $25.00

Includes MOTOTRBO Expansion Card (option QA01638) loaded with the Connect Plus firmware application. The discount included in the pricing of this option ($25 List/$15 reseller) is to be applied towards the purchase of the Connect Plus license (HKLN4457A). License HKLN4457A is required to Register and Activate the Connect Plus functionality in the radio and must be purchased separately from the QA02005 option (see details below).

HKLN4457 — Connect Plus Trunking License — $25.00

An Entitlement ID (EID) will be delivered via e-mail to the address specified during order placement. Register and Activate the Connect Plus license in the MOTOTRBO Connect Plus capable radios using MOTOTRBO CPS (version 5.6 or higher). Registration requires an internet connection. Multiple licenses can be ordered under the same line item.

Notes:

1. Option QA02005 applicable only to MOTOTRBO digital capable models.
2. Option QA02005 compatible with Intrinsically Safe factory installed option (QA00366).
3. Option QA02005 requires MOTOTRBO CPS version 5.6 or higher.
4. Option QA02005 requires MOTOTRBO Option Board CPS (available in MOL Resource Center at no cost).
5. Connect Plus Trunking Operation requires:
   a. MOTOTRBO digital firmware release 1.06.30 or higher (included with factory option QA02005)
   b. MOTOTRBO expansion card (included with factory option QA02005)
   c. Connect Plus software (included with factory option QA02005)
   d. Connect Plus software license (order HKLN4457 separately)
6. Please refer to the Fixed Equipment section for Connect Plus Trunking system information.
7. Please refer to the Connect Plus System Planner and your Motorola ACES team representative

HKVN4072 — Connect Plus Man Down — $70.00

General Options:

QA01227	Portable User Guide CD Kit (HKLN4282) includes User Guides in English and French Canadian	N/C
QA01638	ADD: MOTOTRBO Expansion Card - Factory Installed (PMLN5496) * Option installs a blank expansion board inside the VHF and UHF MOTOTRBO radios * Required for future migration to Connect Plus multi-site trunking (Q3 2010) * This card can host 3rd party developed software applications. Contact your selected 3rd party vendor for compatibility verification!	$50.00
QA00505	IMPRES Remote Speaker Microphone with 3.5mm Audio Jack (PMMN4025)	$90.00
QA00506	Submersible (IP57) Remote Speaker Microphone (PMMN4040)	$75.00
QA02817	Noise Cancelling - Intrinsically Safe (FM) Remote Speaker Microphone with 3.5mm Audio Jack (PMMN4050)	$95.00
QA00507	Lightweight Headset (RMN5058)	$99.00
QA00508	IMPRES 2-Wire Surveillance Kit with Clear Comfortable Acoustic Tube, Black, (PMLN6129)	$122.00
QA00509	IMPRES 2-Wire Surveillance Kit with Clear Comfortable Acoustic Tube, Beige, (PMLN6130)	$122.00

The XPR Series portables ship with a standard 2-year parts and labor warranty. Additionally, they ship standard with a 1-year Service from the Start -LITE (SfS)option (formerly known as the Repair Service Advantage). If you desire additional years of SfS, you may choose one of the following three options. Please note that these plans are in addition to the 2-year standard warranty and 1 year SfS that ships standard with the unit. For example, if you order the H885, you will receive: 2 years of Standard Warranty + 1 year SfS-LITE, PLUS 2 additional years of SfS-LITE for a total coverage of 5 years.

Q884 — ADD: 1-Year Service from the Start - LITE — $38.00

Provides for 1 year of extended hardware coverage beginning after the 2 years of standard warranty and 1 year of SfS-LITE that ships standard with the unit for a total coverage period of 4 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.

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XPR™ 6350
VHF & UHF PORTABLES
OPTIONS

Premium Software Features:

H885	ADD: 2-Year Service from the Start - LITE Provides for 2 years of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS -LITE that ships standard with the unit for a total coverage period of 5 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$73.00
H886	ADD: 3-Year Service from the Start - LITE Provides for 3 years of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS-LITE that ships standard with the unit for a total coverage period of 6 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$108.00
HKLN4429	Analog to Digital Software Upgrade (for use with Analog only radios) Notes: Use this part number to purchase Entitlement ID's (EID) to Register and Activate the Digital features in Analog only radios. You will receive the EID via an e-mail. Register the Serial Numbers of the units, which will be upgraded, and Activate the features via the RVN5115 MOTOTRBO CPS. Internet connection is required during the registration, but the activation can be done offline. MOTOTRBO Software Licenses are NOT transferable from one device to another. Once a software feature has been Registered and Activated in a radio, it can NOT be transferred to another radio. If a radio unit is sent for repairs to a Motorola repair service depot, and the unit is readable with CPS, it will be returned back with the same features enabled, as it had originally. If the radio cannot be read with CPS, it will be returned from repairs with only factory default settings, since the depot cannot verify the features, which were originally enabled. In this case, a call to Technical Support 800-927-2744 will be required to request a replacement license.	$116.67

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XPR™ 6550
VHF & UHF PORTABLES
6.25e/12.5 kHz

Standard Package Includes:

- IMPRES™ Li-ion 2150mAh Battery (PMNN4077)
- IMPRES™ Single-Unit Charger (WPLN4232)
- UHF or VHF Antenna (must select appropriate option)
- 2.5" Belt Clip (PMLN4652)
- Accessory Dust Cover
- Two Year Warranty
- One Year Service from the Start -LITE

Main Radio Features: [1]

Max. Number of Channels	1,000
Display	Monochrome
Keypad	Full
Menu Navigation Buttons	✓
Side Programmable Buttons	3
Front Programmable Buttons	2
Top Channel Knob Positions	16
Top Programmable (Orange) Button	✓
Ingress Protection Rating	IP57

Enhanced Radio Features: [1]

GPS	✓
Intrinsically Safe Option	Optional
Expansion Card	Optional
Bluetooth Audio [2]	Optional
Accessory RF Port (for PSM)	✓
Third Party Applications	✓

Systems Supported: [1]

Analog Conventional	✓
Digital Conventional	✓
IP Site Connect	✓
Capacity Plus	✓
Connect Plus [3]	Optional
LTR/PassPort [4]	Optional
Linked Capacity Plus	✓

Notes:

1. Please refer to the MOTOTRBO Subscriber Matrix Section for more details on features supported on each type of system.
2. Requires wireless adapter PMLN5712.
3. Requires option QA02005 and license HKLN4457.
4. Via 3rd party application from Scholer-Johnson. Requires option QA01839.

Frequencies Not Allowed for XPR 6550:

142.674	151.195	163.685	409.225	425.605	441.975	458.340
142.675	151.200	163.690	409.230	431.095	442.350	458.345
142.676	151.205	163.695	409.235	431.100	442.360	466.920
143.900	155.900	167.995	414.000	431.105	442.370	466.930
144.000	156.000	168.000	417.780	431.995	443.995	466.940
144.100	156.100	168.005	417.790	432.000	444.000	467.995
147.315	157.624	172.020	417.800	432.005	444.005	468.000
147.320	157.625	172.030	419.995	436.795	450.000	468.005
147.325	157.626	172.040	420.000	436.800	453.595	
147.445	161.900	403.195	420.005	436.805	453.600	
147.455	162.000	403.200	425.595	441.965	453.605	
147.465	162.100	403.205	425.600	441.970	458.335	

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SUGGESTED RETAIL

XPR™ 6550
VHF & UHF PORTABLES
OPTIONS

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MSRP
XPR™ 6550 Display with GPS					
136-174 MHz	VHF	1W to 5W (ships 5W)	1000	AAH55JDH9LA1_N (Display with GPS)	$1,050
403-470 MHz	UHF1	1W to 4W (ships 4W)	1000	AAH55QDH9LA1_N (Display with GPS)	$1,085
450-512 MHz	UHF2	1W to 4W (ships 4W)	1000	AAH55TDH9LA1_N (Display with GPS)	$1,085

FCC INFORMATION UHF:AZ489FT4876, VHF: AZ489FT3815, UHF2: AZ489FT4884

Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

STEP 1:

Battery Choices:

STDBAT0037	Standard Battery - IMPRES Li-ion, 2200 mAh, 7.2V, Submersible (IP57) Battery (PMNN4077)	N/C
QA01964	IMPRES Li-ion, 1500 mAh, 7.2V, Submersible (IP57) Battery (PMNN4066)	N/C
QA00365	NiMH, 1300 mAh, 7.2V, Submersible (IP57) Battery (PMNN4065)	-$10.00
QA00366	IMPRES Li-ion, 1400 mAh, 7.2V, Submersible (IP57) Battery - Intrinsically Safe (FM/CSA) (PMNN4069) The XPR 6350, XPR 6550, XPR 6380 and XPR 6580 Intrinsically safe, FM Approved, portable radio units MUST be ordered and shipped from Motorola with the FM option QA00366 - Li-Ion battery PMNN4069, for the radios to be labeled as FM Approved in accordance with Canada and US Codes as intrinsically safe for use in Class I, II, III, Division 1, Groups C,D,E,F,G, and Division 2, Class I, Groups A,B,C,D.	$50.00

STEP 2:

Charger Choices:

STDCHG0037	Standard Charger - IMPRES Single Unit Charger (WPLN4232)	N/C
	With CEC Compliant Switch Mode Power Supply for customers in CA, OR, and WA	$0.00
H951	Omit Standard Charger	-$20.00

STEP 3:

Antenna Choices - You MUST choose one:

VHF Antenna Options: *(all antennas will work with both XPR™ 6500 and XPR™ 6550)*

QA00682	VHF GPS Whip Antenna 136-147 MHz (PMAD4067)	N/C
QA00683	VHF GPS Whip Antenna 147-160 MHz (PMAD4068)	N/C
QA00684	VHF GPS Whip Antenna 160-174 MHz (PMAD4069)	N/C

UHF1 Antenna Options:

QA00407	UHF1 GPS Whip Antenna 403-433 (PMAE4018)	N/C
QA00329	UHF1 GPS Whip Antenna 430-470 MHz (PMAE4024)	N/C
QA00517	UHF1 GPS Stubby Antenna 430-470 MHz (PMAE4023) NOTE: This Antenna will work on both Non-GPS (XPR 6300 & XPR 6500) Radios	N/C

UHF2 Antenna Options:

QA00985	UHF2 GPS Whip Antenna, 450-495 MHz (PMAE4050)	N/C
QA00986	UHF2 GPS Whip Antenna, 495-527 MHz (PMAE4051)	N/C
QA00988	UHF2 GPS Stubby Antenna, 450-527 MHz (PMAE4048)	N/C
H112	Omit Standard Antenna	-$3.50

STEP 4:

The XPR Series portables ship with a Standard 2-year parts and labor warranty. Additionally, they ship standard with a 1- year Service from the Start -LITE (SfS) option for 3 years of total coverage. The 1- year of SfS-LITE coverage can be omitted by selecting the QA00510 option, which would provide only 2 years of standard warranty coverage. Additional SfS -LITEoptions are also available in the General Options section. Local Services are not included, contact your Customer Support Manager to put units on a Local Support Contract.

Service from the Start Choices:

STDRSA0037	Standard 2 Year Warranty + 1 Year Service from the Start -LITE (3 years of Coverage)	N/C
QA00510	Omit 1 Year Service from the Start -LITE (Omitting this option would provide 2 years of Standard Warranty)	-$11.00
HA00022	ADD: Service from the Start Comprehensive Provides 3 years of hardware repair coverage and chemical, liquid, and other physical damage on your Motorola portable and mobile subscriber radios. Comprehensive coverage starts from the first day the radio is put into use. Repairs will made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option. ***This SfS Comprehensive option is provided at an $11 discount to override the existing 1-year SfS -LITE that is already tied to the radio.***	$184.00

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SUGGESTED RETAIL

XPR™ 6550
VHF & UHF PORTABLES
OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP
MOTOTRBO Connect Plus Trunking Operation:		
	MOTOTRBO Connect Plus is the next generation professional digital trunking communications solution that provides enhanced performance, productivity and value for two-way radio users. Please refer to the XRC 9000 Controller section (under Fixed Equipment) for more information on how to order Connect Plus trunking systems.	
QA02005	Connect Plus Trunking Operation Includes MOTOTRBO Expansion Card (option QA01638) loaded with the Connect Plus firmware application. The discount included in the pricing of this option ($25 List/$15 reseller) is to be applied towards the purchase of the Connect Plus license (HKLN4457A). License HKLN4457A is required to Register and Activate the Connect Plus functionality in the radio and must be purchased separately from the QA02005 option (see details below).	$25.00
HKLN4457	Connect Plus Trunking License An Entitlement ID (EID) will be delivered via e-mail to the address specified during order placement. Register and Activate the Connect Plus license in the MOTOTRBO Connect Plus capable radios using MOTOTRBO CPS (version 5.6 or higher). Registration requires an internet connection. Multiple licenses can be ordered under the same line item.	$25.00
	Notes: 1. Option QA02005 applicable only to MOTOTRBO digital capable models. 2. Option QA02005 compatible with Intrinsically Safe factory installed option (QA00366). 3. Option QA02005 requires MOTOTRBO CPS version 5.6 or higher. 4. Option QA02005 requires MOTOTRBO Option Board CPS (available in MOL Resource Center at no cost). 5. Connect Plus Trunking Operation requires: a. MOTOTRBO digital firmware release 1.06.30 or higher (included with factory option QA02005) b. MOTOTRBO expansion card (included with factory option QA02005) c. Connect Plus software (included with factory option QA02005) d. Connect Plus software license (order HKLN4457 separately) 6. Please refer to the Fixed Equipment section for Connect Plus Trunking system information. 7. Please refer to the Connect Plus System Planner and your Motorola ACES team representative	
HKVN4072	Connect Plus Man Down	$70.00
General Options:		
QA01227	Portable User Guide CD Kit (HKLN4282) Includes User Guides in English and French Canadian	N/C
QA01638	ADD: MOTOTRBO Expansion Card - Factory Installed (PMLN5496) * Option installs a blank expansion board inside the VHF and UHF MOTOTRBO radios * Required for future migration to Connect Plus multi-site trunking (Q3 2010) * This card can host 3rd party developed software applications. Contact your selected 3rd party vendor for compatibility verification!	$50.00
QA00505	IMPRES Remote Speaker Microphone with 3.5mm Audio Jack (PMMN4025)	$90.00
QA00506	Submersible (IP57) Remote Speaker Microphone (PMMN4040)	$75.00
QA02817	Noise Cancelling - Intrinsically Safe (FM) Remote Speaker Microphone with 3.5mm Audio Jack (PMMN4050)	$95.00
QA00507	Lightweight Headset (RMN5058)	$99.00
QA00508	IMPRES 2-Wire Surveillance Kit with Clear Comfortable Acoustic Tube, Black, (PMLN6129)	$122.00
QA00509	IMPRES 2-Wire Surveillance Kit with Clear Comfortable Acoustic Tube, Beige, (PMLN6130)	$122.00
QA01839	LTR/PassPort Enhanced Operation - Factory Installed. Option includes installation of MOTOTRBO Expansion Card and Scholer-Johnson software application **Notes:** 1) Scholer-Johnson LTR/PassPort application now runs on the MOTOTRBO Expansion Card. The application is compatible with both Classic and Enhanced PassPort operation. 2) Scholer-Johnson LTR/PassPort application requires winSJIppTRBO programming software. 3) MOTOTRBO XPR 4000/6000 series radios requires firmware R01.06 version or higher. 4) Field installation of Expansion Card in XPR 4000 series mobiles requires Mobile Option Board Interface Kit (HLN7001A). 5) Scholer-Johnson LTR/PassPort application is available only for Alpha Numeric Display portable and mobile models. 6) Scholer-Johnson LTR/PassPort application is compatible with FM equipped portables. 7) MDC PTT-ID for Analog/LTR mode in Scholer-Johnson application is available for XPR 4000/6000 series radios and requires MOTOTRBO firmware R1.9 version or higher. 8) Quik-Call II signaling is not currently available in Scholer-Johnson application conventional or LTR modes of operation. 9) Trident TrAVL operation using Scholer-Johnson application requires external GPS antenna/receiver kit - model # RRDN7586A. 10) Trident TrAVL operation using Scholer-Johnson application requires application firmware version R1.06 or higher and winSJIppTRBO programming software version 2.00.00 or higher. 11) Expansion Card draws additional current from radio battery so using a higher capacity battery may be required. 12) To purchase aftermarket Scholer-Johnson LTR/PassPort application and winSJIppTRBO programming software please contact Scholer-Johnson Inc. at 407-645-5093. 13) For Technical support on the Scholer-Johnson application please contact Scholer-Johnson Inc. at 407-645-5093.	$122.00

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SUGGESTED RETAIL

XPR™ 6550
VHF & UHF PORTABLES
OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP

The XPR Series portables ship with a standard 2-year parts and labor warranty. Additionally, they ship standard with a 1-year Service from the Start - LITE (SfS) option (formerly known as the Repair Service Advantage (RSA). If you desire additional years of SfS, you may choose one of the following three options. Please note that these plans are in addition to the 2-year standard warranty and 1 year SfS that ships standard with the unit. For example, if you order the H885, you will receive: 2 years standard warranty + 1 year SfS, PLUS 2 additional years of SfS for a total coverage of 5 years.

Q884	ADD: 1-Year Service from the Start - LITE Provides for 1 year of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS that ships standard with the unit for a total coverage period of 4 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$38.00
H885	ADD: 2-Year Service from the Start - LITE Provides for 2 years of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS that ships standard with the unit for a total coverage period of 5 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$73.00
H886	ADD: 3-Year Service from the Start - LITE Provides for 3 years of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS that ships standard with the unit for a total coverage period of 6 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$108.00

Premium Software Feature:

HKLN4429	Analog to Digital Software Upgrade (for use with Analog only radios) Notes: Use this part number to purchase Entitlement ID's (EID) to Register and Activate the Digital features in Analog only radios. You will receive the EID via an e-mail. Register the Serial Numbers of the units, which will be upgraded, and Activate the features via the RVN5115 MOTOTRBO CPS. Internet connection is required during the registration, but the activation can be done offline. MOTOTRBO Software Licenses are NOT transferable from one device to another. Once a software feature has been Registered and Activated in a radio, it can NOT be transferred to another radio. If a radio unit is sent for repairs to a Motorola repair service depot, and the unit is readable with CPS, it will be returned back with the same features enabled, as it had originally. If the radio cannot be read with CPS, it will be returned from repairs with only factory default settings, since the depot cannot verify the features, which were originally enabled. In this case, a call to Technical Support 800-927-2744 will be required to request a replacement license.	$116.67

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SUGGESTED RETAIL

XPR™ 6380 / XPR™ 6580
SMARTNET® 800/900 MHz PORTABLES
12.5/25 kHz

Standard Package Includes:
- IMPRES™ Li-ion 2150 mAh Battery (PMNN4077)
- IMPRES Single-Unit Charger (WPLN4232)
- Antenna - See Selection Options
- 2.5" Belt Clip (PMLN4652)
- Accessory Dust Cover
- Integrated Expansion Card
- Two Year Warranty
- One Year Service from the Start -LITE

Main Radio Features: [1]	XPR™ 6380	XPR™ 6580
Max. Number of Trunked Personalities	32	240
Display	N/A	Monochrome
Keypad	N/A	Full
Menu Navigation Buttons	N/A	✓
Side Programmable Buttons	3	3
Front Programmable Buttons	N/A	2
Top Channel Knob Positions	16	16
Top Programmable (Orange) Button	✓	✓
Ingress Protection Rating	IP57	IP57

Enhanced Radio Features: [1]	XPR™ 6380	XPR™ 6580
GPS	N/A [5]	N/A [5]
Intrinsically Safe Option	Optional	Optional
Expansion Card (for Digital Operation)	Included	Included
Bluetooth Audio [2]	Optional	Optional
Accessory RF Port (for PSM)	✓	✓
Third Party Applications	✓	✓

Systems Supported: [1]	XPR™ 6380	XPR™ 6580
Analog Conventional	✓	✓
SMARTNET/Privacy Plus	✓	✓
Digital Conventional	N/A [5]	N/A [5]
IP Site Connect	N/A [5]	N/A [5]
Capacity Plus	N/A [5]	N/A [5]
Connect Plus [3]	N/A [5]	N/A [5]
LTR/PassPort [4]	N/A [5]	N/A [5]
Linked Capacity Plus	N/A [5]	N/A [5]

XPR™ 6380

XPR™ 6580

Notes:
1. Please refer to the MOTOTRBO Subscriber Matrix Section for more details on features supported on each type of system.
2. Requires wireless adapter PMLN5712.
3. Requires option QA02005 and license HKLN4457.
4. Via 3rd party application from Scholer-Johnson. Requires option QA01839.
5. Supported when radio is converted to Digital mode (HKLN4429)

Radios do not support 806-809 or 821-824 MHz (NPSPAC) trunked channels.
Radios support the 800 MHz NPSPAC Mutual Aid Conventional Channels.
(806.0125 / 806.5125 / 807.0125 / 807.5125 / 808.0125 / 821.0125 / 821.5125 / 822.0125 / 822.5125 / 823.0125)

Frequencies Not Allowed for XPR 6380 / XPR 6580:

850.940	851.595	854.990	859.120	863.210	867.310	935.985	940.785
851.040	852.600	855.000	859.125	863.220	867.315	936.000	940.800
851.140	852.605	855.010	859.130	863.230	867.320	936.015	940.815
851.183	852.975	856.985	860.145	863.985	867.552	937.965	
851.188	852.980	856.800	860.160	864.000	867.557	937.970	
851.193	852.985	856.815	860.175	864.015	867.562	937.975	
851.985	854.270	857.070	861.165	865.265	869.360	939.990	
852.000	854.280	857.075	861.170	865.270	869.365	940.000	
852.015	854.290	857.080	861.175	865.275	869.370	940.010	

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SUGGESTED RETAIL

XPR™ 6380 / XPR™ 6580
SMARTNET® / Privacy Plus™ PORTABLES
OPTIONS

BAND SPLIT	BAND	PWR	Conv. CH or Trunked Personality	CATALOG MODEL	MSRP
XPR™ 6380 Non-Display					
806 - 941 MHz	800/ 900	1W to 2.5W (ships 2.5W)	32	AAH55UCC9LB1_N (Non-Display)	$1,048.33
XPR™ 6580 Display					
806 - 941 MHz	800/ 900	1W to 2.5W (ships 2.5W)	240	AAH55UCH9LB1_N (Display)	$1,131.67

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Options: TO COMPLETE AN ORDER YOU MUST CHOOSE ONE (1) OPTION FROM EACH STEP BELOW

STEP 1:

System Choices:

QA01641	ALT: SMARTNET® / Privacy Plus™ Trunking *NOTE: This option replaces the MOTOTRBO digital firmware with legacy trunking software for migration purposes. Digital capability may be added back in the field when ready to migrate to digital via CPS version 5.5 or later and software license HKLN4429A. See Note #3 in General Notes Section below. For the Digital system option, refer to option QA01642 in the XPR 6380 / XPR 6580 DIGITAL portables page.*	-$116.67

STEP 2:

Battery Choices:

STDBAT0777	Standard Battery - IMPRES Li-ion, 2200 mAh, 7.2, Submersible (IP57) Battery (PMNN4077)	N/C
QA00365	NiMH, 1300 mAh, 7.2V, Submersible (IP57) Battery (PMNN4065)	-$10.00
QA00366	IMPRES Li-ion, 1400 mAh, 7.2V, Submersible (IP57) Battery - Intrinsically Safe (FM/CSA) (PMNN4069) The XPR 6350, XPR 6550, XPR 6380 and XPR 6580 Intrinsically safe, FM Approved, portable radio units MUST be ordered and shipped from Motorola with the FM option QA00366 - Li-Ion battery PMNN4069, for the radios to be labeled as FM Approved in accordance with Canada and US Codes as intrinsically safe for use in Class I, II, III, Division 1, Groups C,D,E,F,G, and Division 2, Class I, Groups A,B,C,D.	$50.00

STEP 3:

Charger Choices:

STDCHG0777	Standard Charger - IMPRES Single Unit Charger (WPLN4232)	N/C
H951	Omit Standard Charger	-$20.00

STEP 4:

Antenna Choices:

STDANT0777	806-941 MHz GPS Antenna (PMAF4003)	N/C
QA01915	806-870 MHz Whip Antenna (NAF5087A) GPS functionality is not recommended for this antenna, especially if the radio is used at waist level.	N/C
QA01916	895-941 MHz Whip Antenna (NAF5088A) GPS functionality is supported with this antenna, although GPS receiver sensitivity is impacted which may be reflected in slightly longer TTFF (Time To First Fix) depending on environment and radio position.	N/C
H112	Delete Antenna	-$3.50

STEP 5:

The XPR Series portables ship with a Standard 2-year parts and labor warranty. Additionally, they ship standard with a 1- year Service from the Start -LITE option for 3 years of total coverage. The 1- year of SfS coverage can be omitted by selecting the QA00510 option, which would provide only 2 years of standard warranty coverage. Additional SfS options are also available in the General Options section. Local Services are not included, contact your Customer Support Manager to put units on a Local Support Contract.

Service from the Start Choices:

STDRSA0777	Standard 2 Year Warranty + 1 Year Service from the Start -LITE (3 years of Coverage)	N/C
QA00510	Omit 1 Year Service from the Start -LITE (Omitting this option would provide 2 years of Standard Warranty)	-$11.00
HA00022	ADD: Service from the Start Comprehensive Provides 3 years of hardware repair coverage and chemical, liquid, and other physical damage on your Motorola portable and mobile subscriber radios. Comprehensive coverage starts from the first day the radio is put into use. Repairs will made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option. ***This SfS Comprehensive option is provided at an $11 discount to override the existing 1-year SfS that is already tied to the radio.***	$184.00

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SUGGESTED RETAIL

XPR™ 6380 / XPR™ 6580
SMARTNET® / Privacy Plus™ PORTABLES
OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP
General Options:		
QA01424	Portable User Guide CD Kit for SMARTNET® / Privacy Plus™ (HKLN4409) in English and French Canadian	N/C
QA00505	IMPRES Remote Speaker Microphone with 3.5mm Audio Jack (PMMN4025)	$90.00
QA00506	Submersible (IP57) Remote Speaker Microphone (PMMN4040)	$75.00
QA02817	Noise Cancelling - Intrinsically Safe (FM) Remote Speaker Microphone with 3.5mm Audio Jack (PMMN4050)	$95.00
QA00507	Lightweight Headset (RMN5058)	$99.00
QA00508	IMPRES 2-Wire Surveillance Kit with Clear Comfortable Acoustic Tube, Black, (PMLN6129)	$122.00
QA00509	IMPRES 2-Wire Surveillance Kit with Clear Comfortable Acoustic Tube, Beige, (PMLN6130)	$122.00

The XPR Series portables ship with a standard 2-year parts and labor warranty. Additionally, they ship standard with a 1-year Service from the Start -LITE (SfS) option (formerly known as the Repair Service Advantage Plan). If you desire additional years of SfS, you may choose one of the following three options. Please note that these plans are in addition to the 2-year standard warranty and 1 year RSA that ships standard with the unit. For example, if you order the H885, you will receive: 2 years standard warranty + 1 year SfS, PLUS 2 additional years of SfS for a total coverage of 5 years.

Q884	ADD: 1-Year Service from the Start - LITE Provides for 1 year of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS that ships standard with the unit for a total coverage period of 4 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$38.00
H885	ADD: 2-Year Service from the Start - LITE Provides for 2 years of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS that ships standard with the unit for a total coverage period of 5 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$73.00
H886	ADD: 3-Year Service from the Start - LITE Provides for 3 years of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS that ships standard with the unit for a total coverage period of 6 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$108.00

Premium Software Features:		
HKLN4429	Analog to Digital Software Upgrade (for use with Analog only and 800/900MHz radios after Digital firmware conversion) Notes: Use this part number to purchase Entitlement ID's (EID) to Register and Activate the Digital features in Analog only and 800/900MHZ radios after Digital firmware conversion. You will receive the EID via an e-mail. Register the Serial Numbers of the units, which will be upgraded, and Activate the features via the RVN5115 MOTOTRBO CPS. MOTOTRBO Software Licenses are NOT transferable from one device to another. Once a software feature has been Registered and Activated in a radio, it can NOT be transferred to another radio. If a radio unit is sent for repairs to a Motorola repair service depot, and the unit is readable with CPS, it will be returned back with the same features enabled, as it had originally. If the radio cannot be read with CPS, it will be returned from repairs with only factory default settings, since the depot cannot verify the features, which were originally enabled. In this case, a call to Technical Support 800-927-2744 will be required to request a replacement license.	$116.67

General Notes:

1) XPR 6580 / XPR 6380 Portables are upgradeable to MOTOTRBO digital trunking via a software flash - no additional hardware required.
2) SMARTNET/Privacy Plus Operation and Digital Operation not supported simultaneously.
3) To Convert a Smartnet radio to Digital firmware, use CPS version 5.5 or latter, and the Device Conversion Packages 3600 Baud Trunking to MOTOTRBO Digital Firmware from MOL. After the Conversion, the radios will DEFAULT TO ANALOG ONLY features.

To Enable the Digital features - purchase the Analog to Digital Upgrade licenses HKLN4429A at quantity equal to the number of radios that will be Converted. It's recommended to purchase the licenses before beginning the conversion, to avoid down time. It usually takes up to 24 hours, between the time when the Software license order is placed and the e-mail with license Entitlement ID, is received.

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SUGGESTED RETAIL

XPR™ 6380 / XPR™ 6580
800/900 MHz DIGITAL PORTABLES
6.25e/12.5/25 kHz

Standard Package Includes:
- IMPRES™ Li-ion 2150 mAh Battery (PMNN4077)
- IMPRES Single-Unit Charger (WPLN4232)
- Antenna - See Selection Options
- 2.5" Belt Clip (PMLN4652)
- Accessory Dust Cover
- Integrated Expansion Card
- Two Year Warranty
- One Year Service from the Start -LITE

Main Radio Features: [1]	XPR™ 6380	XPR™ 6580
Max. Number of Channels	32	1,000
Display	N/A	Monochrome
Keypad	N/A	Full
Menu Navigation Buttons	N/A	✓
Side Programmable Buttons	3	3
Front Programmable Buttons	N/A	2
Top Channel Knob Positions	16	16
Top Programmable (Orange) Button	✓	✓
Ingress Protection Rating	IP57	IP57

Enhanced Radio Features: [1]	XPR™ 6380	XPR™ 6580
GPS	✓	✓
Intrinsically Safe Option	Optional	Optional
Expansion Card	Included	Included
Bluetooth Audio [2]	Optional	Optional
Accessory RF Port (for PSM)	✓	✓
Third Party Applications	✓	✓

Systems Supported: [1]	XPR™ 6380	XPR™ 6580
Analog Conventional	✓	✓
Digital Conventional	✓	✓
IP Site Connect	✓	✓
Capacity Plus	✓	✓
Connect Plus [3]	Optional	Optional
LTR/PassPort [4]	N/A	Optional
Linked Capacity Plus	✓	✓

XPR™ 6380

XPR™ 6580

Notes:
1. Please refer to the MOTOTRBO Subscriber Matrix Section for more details on features supported on each type of system.
2. Requires wireless adapter PMLN5712.
3. Requires option QA02005 and license HKLN4457.
4. Via 3rd party application from Scholer-Johnson. Requires option QA01839.

Radios do not support 806-809 or 821-824 MHz (NPSPAC) trunked channels.
Radios support the 800 MHz NPSPAC Mutual Aid Conventional Channels.
(806.0125 / 806.5125 / 807.0125 / 807.5125 / 808.0125 / 821.0125 / 821.5125 / 822.0125 / 822.5125 / 823.0125)

Frequencies Not Allowed for XPR 6380 / XPR 6580:

850.940	851.595	854.990	859.120	863.210	867.310	935.985	940.785
851.040	852.600	855.000	859.125	863.220	867.315	936.000	940.800
851.140	852.605	855.010	859.130	863.230	867.320	936.015	940.815
851.183	852.975	856.985	860.145	863.985	867.552	937.965	
851.188	852.980	856.800	860.160	864.000	867.557	937.970	
851.193	852.985	856.815	860.175	864.015	867.562	937.975	
851.985	854.270	857.070	861.165	865.265	869.360	939.990	
852.000	854.280	857.075	861.170	865.270	869.365	940.000	
852.015	854.290	857.080	861.175	865.275	869.370	940.010	

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SUGGESTED RETAIL

XPR™ 6380 / XPR™ 6580
800/900 MHz DIGITAL PORTABLES
OPTIONS

BAND SPLIT	BAND	PWR	Conv. CH or Trunked Personality	CATALOG MODEL	MSRP
XPR™ 6380 Non-Display with GPS and XPR™ 6580 Display with GPS					
806 - 941 MHz	800/ 900	1W to 2.5W (ships 2.5W)	32	AAH55UCC9LB1_N (Non-Display with GPS)	$1,048.33
806 - 941 MHz	800/ 900	1W to 2.5W (ships 2.5W)	1000	AAH55UCH9LB1_N (Display with GPS)	$1,131.67

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Options: TO COMPLETE AN ORDER YOU MUST CHOOSE ONE (1) OPTION FROM EACH STEP BELOW

STEP 1:

System Choices:

QA01642	ALT: Digital Conventional Operation	N/C
QA01839	LTR/PassPort Enhanced Operation - Factory Installed. Option includes installation of Scholer-Johnson software application. MOTOTRBO Expansion card is standard on 800/900 MHz models. The radio ships with DIGITAL mode of operation (QA01642) when ordering this option.	$72.00

Notes:

1) Scholer-Johnson LTR/PassPort application now runs on the MOTOTRBO Expansion Card. The application is compatible with both Classic and Enhanced PassPort operation.
2) Scholer-Johnson LTR/PassPort application requires winSJIppTRBO programming software.
3) MOTOTRBO XPR 4000/6000 series radios requires firmware R01.06 version or higher.
4) Field installation of Expansion Card in XPR 4000 series mobiles requires Mobile Option Board Interface Kit (HLN7001A).
5) Scholer-Johnson LTR/PassPort application is available only for Alpha Numeric Display portable and mobile models.
6) Scholer-Johnson LTR/PassPort application is compatible with FM equipped portables.
7) MDC PTT-ID for Analog/LTR mode in Scholer-Johnson application is available for XPR 4000/6000 series radios and requires MOTOTRBO firmware R1.9 version or higher.
8) Quik-Call II signaling is not currently available in Scholer-Johnson application conventional or LTR modes of operation.
9) Trident TrAVL operation using Scholer-Johnson application requires external GPS antenna/receiver kit - model # RRDN7586A.
10) Trident TrAVL operation using Scholer-Johnson application requires application firmware version R1.06 or higher and winSJIppTRBO programming software version 2.00.00 or higher.
11) Expansion Card draws additional current from radio battery so using a higher capacity battery may be required.
12) To purchase aftermarket Scholer-Johnson LTR/PassPort application and winSJIppTRBO programming software please contact Scholer-Johnson Inc. at 407-645-5093.
13) For Technical support on the Scholer-Johnson application please contact Scholer-Johnson Inc. at 407-645-5093.
14) Scholer-Johnson LTR/PassPort application is not available with SMARTNET/Privacy Plus radio software option.

STEP 2:

Battery Choices:

STDBAT0777	Standard Battery - IMPRES Li-ion, 2150 mAh, 7.2, Submersible (IP57) Battery (PMNN4077)	N/C
QA00365	NiMH, 1300 mAh, 7.2V, Submersible (IP57) Battery (PMNN4065)	-$10.00
QA00366	IMPRES Li-ion, 1400 mAh, 7.2V, Submersible (IP57) Battery - Intrinsically Safe (FM/CSA) (PMNN4069) The XPR 6350, XPR 6550, XPR 6380 and XPR 6580 Intrinsically safe, FM Approved, portable radio units MUST be ordered and shipped from Motorola with the FM option QA00366 - Li-Ion battery PMNN4069, for the radios to be labeled as FM Approved in accordance with Canada and US Codes as intrinsically safe for use in Class I, II, III, Division 1, Groups C,D,E,F,G, and Division 2, Class I, Groups A,B,C,D.	$50.00

STEP 3:

Charger Choices:

STDCHG0777	Standard Charger - IMPRES Single Unit Charger (WPLN4232)	N/C
H951	Omit Standard Charger	-$20.00

STEP 4:

Antenna Choices:

STDANT0777	806-941 MHz GPS Antenna (PMAF4003)	N/C
QA01915	806-870 MHz Whip Antenna (NAF5087A) GPS functionality is not recommended for this antenna, especially if the radio is used at waist level.	N/C
QA01916	895-941 MHz Whip Antenna (NAF5088A) GPS functionality is supported with this antenna, although GPS receiver sensitivity is impacted which may be reflected in slightly longer TTFF (Time To First Fix) depending on environment and radio position.	N/C
H112	Delete Antenna	-$3.50

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SUGGESTED RETAIL

XPR™ 6380 / XPR™ 6580
800/900 MHz DIGITAL PORTABLES
OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP

STEP 5:

The XPR Series portables ship with a Standard 2-year parts and labor warranty. Additionally, they ship standard with a 1- year Service from the Start -LITE (SfS) option for 3 years of total coverage. The 1- year of SfS -LITE coverage can be omitted by selecting the QA00510 option, which would provide only 2 years of standard warranty coverage. Additional SfS options are also available in the General Options section. Local Services are not included, contact your Customer Support Manager to put units on a Local Support Contract.

Service from the Start Choices:

STDRSA0777	Standard 2 Year Warranty + 1 Year Service from the Start -LITE (3 years of Coverage)	N/C
QA00510	Omit 1 Year Service from the Start -LITE (Omitting this option would provide 2 years of Standard Warranty)	-$11.00
HA00022	ADD: Service from the Start Comprehensive Provides 3 years of hardware repair coverage and chemical, liquid, and other physical damage on your Motorola portable and mobile subscriber radios. Comprehensive coverage starts from the first day the radio is put into use. Repairs will made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option. ***This SfS Comprehensive option is provided at an $11 discount to override the existing 1-year SfS-LITE that is already tied to the radio.***	$184.00

MOTOTRBO Connect Plus Trunking Operation:

MOTOTRBO Connect Plus is the next generation professional digital trunking communications solution that provides enhanced performance, productivity and value for two-way radio users. Please refer to the XRC 9000 Controller section (under Fixed Equipment) for more information on how to order Connect Plus trunking systems.

QA02005	Connect Plus Trunking Operation Includes factory loading of the Connect Plus firmware application. The discount included in the pricing of this option ($25 List/$15 Reseller) is to be applied towards the purchase of the Connect Plus license (HKLN4457A). The MOTOTRBO Expansion Card is already included standard in 800/900MHz units. License HKLN4457A is required to Register and Activate the Connect Plus functionality in the radio and must be purchased separately from the QA02005 option (see details below).	-$25.00
HKLN4457	Connect Plus Trunking License An Entitlement ID (EID) will be delivered via e-mail to the address specified during order placement. Register and Activate the Connect Plus license in the MOTOTRBO Connect Plus capable radios using MOTOTRBO CPS (version 5.6 or higher). Registration requires an internet connection. Multiple licenses can be ordered under the same line item.	$25.00

Notes:

1. Option QA02005 applicable only to MOTOTRBO digital capable models.
2. Option QA02005 compatible with Intrinsically Safe factory installed option (QA00366).
3. Option QA02005 requires MOTORBO CPS version 5.6 or higher.
4. Option QA02005 requires MOTORBO Option Board CPS (available in MOL Resource Center at no cost).
5. Connect Plus Trunking Operation requires:
   a. MOTOTRBO digital firmware release 1.06.30 or higher (included with factory option QA02005)
   b. MOTOTRBO expansion card (included in 800/900 MHz units)
   c. Connect Plus software (included with factory option QA02005)
   d. Connect Plus software license (order HKLN4457 separately)
6. Please refer to the Fixed Equipment section for Connect Plus Trunking system information.
7. Please refer to the Connect Plus System Planner and your Motorola ACES team representative

HKVN4072	Connect Plus Man Down	$70.00

General Options:

QA01227	Portable User Guide CD Kit (HKLN4282) Includes User Guides in English and French Canadian	N/C
QA00505	IMPRES Remote Speaker Microphone with 3.5mm Audio Jack (PMMN4025)	$90.00
QA00506	Submersible (IP57) Remote Speaker Microphone (PMMN4040)	$75.00
QA02817	Noise Cancelling - Intrinsically Safe (FM) Remote Speaker Microphone with 3.5mm Audio Jack (PMMN4050)	$95.00
QA00507	Lightweight Headset (RMN5058)	$99.00
QA00508	IMPRES 2-Wire Surveillance Kit with Clear Comfortable Acoustic Tube, Black, (PMLN6129)	$122.00
QA00509	IMPRES 2-Wire Surveillance Kit with Clear Comfortable Acoustic Tube, Beige, (PMLN6130)	$122.00

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SUGGESTED RETAIL

XPR™ 6380 / XPR™ 6580
800/900 MHz DIGITAL PORTABLES
OPTIONS

General Options (continued):

The XPR Series portables ship with a standard 2-year parts and labor warranty. Additionally, they ship standard with a 1-year Service from the Start -LITE (SfS) option (formerly known as the Repair Service Advantage Plan). If you desire additional years of SfS, you may choose one of the following three options. Please note that these plans are in addition to the 2-year standard warranty and 1 year SfS that ships standard with the unit. For example, if you order the H885, you will receive: 2 years standard warranty + 1 year SfS -LITE, PLUS 2 additional years of SfS -LITE for a total coverage of 5 years.

H884	ADD: 1-Year Service from the Start - LITE Provides for 1 year of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS -LITE that ships standard with the unit for a total coverage period of 4 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$38.00
H885	ADD: 2-Year Service from the Start - LITE Provides for 2 years of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS-LITE that ships standard with the unit for a total coverage period of 5 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$73.00
H886	ADD: 3-Year Service from the Start - LITE Provides for 3 years of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS -LITE that ships standard with the unit for a total coverage period of 6 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$108.00

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SUGGESTED RETAIL

XPR™ 7350 & XPR™ 7380

VHF, UHF, 800/900MHz PORTABLES

6.25e/12.5 kHz

Standard Package Includes:

- IMPRES™ Li-ion 2150mAh Battery (PMNN4409)
- IMPRES™ Single-Unit Charger (WPLN4232)
- VHF, UHF or 800/900MHz Antenna (must select appropriate option)
- 2.5" Belt Clip (PMLN7008)
- Accessory Dust Cover
- Two Year Warranty
- One Year Service from the Start -LITE

Main Radio Features: [1]

Max. Number of Channels	32
Display	N/A
Keypad	N/A
Menu Navigation Buttons	N/A
Side Programmable Buttons	3
Front Programmable Buttons	N/A
Top Channel Knob Positions	16
Top Programmable (Orange) Button	✓
Ingress Protection Rating	IP57

Enhanced Radio Features: [1]

GPS	✓
Intrinsically Safe Option	Optional
Expansion Card	✓
Bluetooth Audio	✓
Data Services via Bluetooth [2]	Optional
Accessory RF Port (for PSM)	N/A
Third Party Applications	✓

Systems Supported: [1]

Analog Conventional	✓
Digital Conventional	✓
IP Site Connect	✓
Capacity Plus	✓
Linked Capacity Plus	✓
Connect Plus	Optional
LTR/PassPort	N/A

Notes:

1. Please refer to the MOTOTRBO Subscriber Matrix Section for more details on features supported on each type of system
2. Requires software license HKVN4249 to send data from Bluetooth enabled device via the radio system
3. The XPR 7000 series requires the PMKN4012B Programming Cable or PMKN4013C Programming and Test/Aligning Cable

Frequencies Not Allowed for XPR 7350 & XPR 7380:

139.190	148.810	152.575	158.710	408.000	449.555	504.000	940.800
139.200	149.015	152.585	158.720	408.010	451.200	504.010	940.810
139.210	149.025	153.590	158.730	412.800	455.990	508.800	
141.590	149.035	153.600	163.190	422.400	456.000	518.400	
141.600	150.515	153.610	163.200	431.615	456.010	854.390	
141.610	150.525	154.615	163.210	431.990	460.800	854.400	
143.350	150.535	154.625	167.990	432.000	468.735	854.410	
143.360	150.990	154.635	168.000	432.010	470.400	863.015	
143.370	151.000	156.665	168.010	441.600	479.990	863.025	
148.470	151.010	156.675	172.790	443.990	480.000	863.035	
148.480	151.730	156.685	172.800	444.000	480.010	863.790	
148.490	151.740	158.390	172.810	444.010	494.400	864.000	
148.790	151.750	158.400	403.200	449.545	499.200	864.010	
148.800	152.565	158.410	407.990	449.550	503.990	940.790	

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Date 1/1/14

SUGGESTED RETAIL

XPR™ 7350 & XPR™ 7380

VHF, UHF, 800/900MHz PORTABLES

OPTIONS

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MSRP
XPR™ 7350 & XPR™ 7380 Non-Display with GPS, Bluetooth, Expansion Card					
136-174 MHz	VHF	1W to 5W (ships 5W)	32	AAH56JDC9KA1_N	$1,040.00
403-512 MHz	UHF	1W to 4W (ships 4W)	32	AAH56RDC9KA1_N	$1,082.00
806-941 MHz	800/900	1W to 2.5W (ships 2.5W)	32	AAH56UCC9KB1_N	$1,082.00

FCC INFORMATION VHF: ABZ99FT3085, UHF1/2: ABZ99FT4086, 800/900: ABZ99FT5014

Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

STEP 1:

VHF & UHF Battery Choices:

STDBAT08071	Standard Battery - IMPRES Li-ion, 2150 mAh, 7.2V, Submersible (IP57) Battery (PMNN4409)	N/C
QA02300	IMPRES Li-ion, 1500 mAh, 7.2V, Submersible (IP57) Battery Slim (PMNN4407)	$16.67
QA02309	IMPRES Li-ion, 2300 mAh, 7.2V, Submersible (IP57) Battery - Intrinsically Safe FM (NNTN8129)	$50.00

800/900MHz Battery Choices:

STDBAT0126	Standard Battery - IMPRES Li-ion, 2150 mAh, 7.2V, Submersible (IP57) Battery (PMNN4409)	N/C
QA02300	IMPRES Li-ion, 1500 mAh, 7.2V, Submersible (IP57) Battery Slim (PMNN4407)	$16.67
QA02309	IMPRES Li-ion, 2300 mAh, 7.2V, Submersible (IP57) Battery - Intrinsically Safe FM (NNTN8129)	$50.00

The XPR7350 ,XPR7550 ,XPR7380 and XPR7580 intrinsically safe, FM Approved, portable radio units MUST be ordered and shipped from Motorola with the FM option QA02309 - Li-Ion battery NNTN8129, for the radios to be labeled as FM Approved in accordance with Canada and US Codes as intrinsically safe for use in Class I, II, III, Division 1, Groups C,D,E,F,G, and Division 2, Class I, Groups A,B,C,D.

STEP 2:

VHF & UHF Charger Choices:

STDCHG0807	Standard Charger - IMPRES Single Unit Charger with Switch Mode Power Supply (WPLN4232)	N/C
H951	Omit Standard Charger	-$20.00

800/900MHz Charger Choices:

STDCHG0126	Standard Charger - IMPRES Single Unit Charger with Switch Mode Power Supply (WPLN4232)	N/C
H951	Omit Standard Charger	-$20.00

STEP 3:

Antenna Choices - You MUST choose one:

NOTE: The XPR 7350 and XPR 7380 radios are equipped with an integrated GPS antenna and do not require a secondary external GPS

VHF Antenna Options

QA02299	VHF Helical Antenna 136-155 MHz (PMAD4117)	N/C
QA02308	VHF Helical Antenna 144-165 MHz (PMAD4116)	N/C
QA02310	VHF Helical Antenna 152-174 MHz (PMAD4118)	N/C
QA02307	VHF Stubby Antenna 136-148 MHz (PMAD4119)	N/C
QA02305	VHF Stubby Antenna 160-174 MHz (PMAD4121)	N/C
QA02306	VHF Stubby Antenna 146-160 MHz (PMAD4120)	N/C

UHF Antenna Options:

QA02304	UHF Slim Whip Antenna 403-527 MHz (PMAE4079)	
QA02303	UHF Stubby Antenna 403-450 MHz (PMAE4069)	N/C
QA02302	UHF Stubby Antenna 440-490 MHz (PMAE4070)	N/C
QA02301	UHF Stubby Antenna 470-512 MHz (PMAE4071)	N/C

800/900 MHZ Antenna Options:

QA01915	800 Mhz Whip Antenna 806-870 MHz (PMAF4011)	N/C
QA01916	900 Mhz Whip Antenna 896-941 MHz (PMAF4012)	N/C
H112	Omit Standard Antenna	-$3.50

STEP 4:

VHF & UHF Shipping Box Choices:

STDBOX0807	Standard Model Box	N/C
H415	Bulk Packaging (minimum 10 units per line item)	N/C

800/900MHz Shipping Box Choices:

STDBOX0126	Standard Model Box	N/C
H415	Bulk Packaging (minimum 10 units per line item)	N/C

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SUGGESTED RETAIL

XPR™ 7350 & XPR™ 7380
VHF, UHF, 800/900MHz PORTABLES
OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP

The XPR Series portables ship with a Standard 2-year parts and labor warranty. Additionally, they ship standard with a 1- year Service from the Start -LITE (Sf) option for 3 years of total coverage. The 1- year of SfS coverage can be omitted by selecting the QA00510 option, which would provide only 2 years of standard warranty coverage. Additional SfS LITE options are also available in the General Options section. Local Services are not included, contact your Customer Support Manager to add units on a Local Support Contract.

STEP 5:

VHF & UHF Service from the Start LITE Choices:

STDRSA0807	Standard 2 Year Warranty + 1 Year Service from the Start -LITE (3 years of Coverage)	N/C
QA00510	Omit 1 Year Service from the Start -LITE (Omitting this option would provide 2 years of Standard Warranty)	-$11.00

800/900MHz Service from the Start LITE Choices:

STDRSA0126	Standard 2 Year Warranty + 1 Year Service from the Start -LITE (3 years of Coverage)	N/C
QA00510	Omit 1 Year Service from the Start -LITE (Omitting this option would provide 2 years of Standard Warranty)	-$11.00

MOTOTRBO Connect Plus Trunking Operation:

MOTOTRBO Connect Plus is the next generation professional digital trunking communications solution that provides enhanced performance, productivity and value for two way radio users. Please refer to the XRC 9000 Controller section (under Fixed Equipment) for more information on how to order Connect Plus trunking systems.

QA02005 — Connect Plus Trunking Operation — -$25.00

Includes factory loading of the Connect Plus firmware application. The discount included in the pricing of this option ($25 List) is to be applied towards the purchase of the Connect Plus license (HKLN4457A). License HKLN4457A is required to Register and Activate the Connect Plus functionality in the radio and must be purchased separately from the QA02005 option (see details below).

HKLN4457 — Connect Plus Trunking License — $25.00

An Entitlement ID (EID) will be delivered via e-mail to the address specified during order placement. Register and Activate the Connect Plus license in the MOTOTRBO Connect Plus capable radios using MOTOTRBO CPS (version 10.0 or higher). Registration requires an internet connection. Multiple licenses can be ordered under the same line item.

Notes:
1. Option QA02005 compatible with Intrinsically Safe factory installed option (QA02309).
2. Option QA02005 requires MOTORBO CPS version 10.0 or higher.
3. Option QA02005 requires MOTORBO Option Board CPS (available in MOL Resource Center at no cost).
4. Connect Plus Trunking Operation requires:
   a. MOTOTRBO digital firmware release R02.30.00 or higher (included with factory option QA02005)
   b. MOTOTRBO expansion card (included in all XPR7000's by default)
   c. Connect Plus software (included with factory option QA02005)
   d. Connect Plus software license (must order HKLN4457 separately)
5. Please refer to the Fixed Equipment section for Connect Plus Trunking system information.
6. Please refer to the Connect Plus System Planner and your Motorola ACES team representative

HKVN4072 — Connect Plus Man Down — $70.00

General Options:

QA00505	IMPRES Remote Speaker Microphone with 3.5mm Audio Jack (PMMN4025)	$90.00
QA00506	Submersible (IP57) Remote Speaker Microphone (PMMN4040)	$75.00
QA02817	Noise Cancelling - Intrinsically Safe (FM) Remote Speaker Microphone with 3.5mm Audio Jack (PMMN4050)	$95.00
QA00507	Lightweight Headset (RMN5058)	$99.00
QA00508	IMPRES 2-Wire Surveillance Kit with Clear Comfortable Acoustic Tube, Black, (PMLN6129)	$122.00
QA00509	IMPRES 2-Wire Surveillance Kit with Clear Comfortable Acoustic Tube, Beige, (PMLN6130)	$122.00

The XPR Series portables ship with a standard 2-year parts and labor warranty. Additionally, they ship standard with a 1-year Service from the Start -LITE (SfS) option (formerly known as the Repair Advantage Plan). If you desire additional years of SfS, you may choose one of the following three options. Please note that these plans are in addition to the 2-year standard warranty and 1 year SfS that ships standard with the unit. For example, if you order the H885, you will receive: 2 years standard warranty + 1 year SfS, PLUS 2 additional years of SfS LITE for a total coverage of 5 years.

H884 — ADD: 1-Year Service from the Start - LITE — $38.00

Provides for 1 year of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS -LITE that ships standard with the unit for a total coverage period of 4 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.

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SUGGESTED RETAIL

XPR™ 7350 & XPR™ 7380

VHF, UHF, 800/900MHz PORTABLES

OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP
H885	ADD: 2-Year Service from the Start - LITE Provides for 2 years of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS -LITE that ships standard with the unit for a total coverage period of 5 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$73.00
H886	ADD: 3-Year Service from the Start - LITE Provides for 3 years of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS-LITE that ships standard with the unit for a total coverage period of 6 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$0.00
HA00022	ADD: Service from the Start Comprehensive Provides 3 years of hardware repair coverage and chemical, liquid, and other physical damage on your Motorola portable and mobile subscriber radios. Comprehensive coverage starts from the first day the radio is put into use. Repairs will made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option. ***This SFS Comprehensive option is provided at an $11 discount to override existing 1-year SfS -LITE that is already tied to the radio.***	$184.00
Premium Software Feature:		
HKVN4249	MOTOTRBO Permanent Discoverable & Data Transfer Services via Bluetooth Notes: Use this part number to purchase Entitlement ID's (EID) to Register and Activate the Bluetooth Data Transfer option in the radios. You will receive the EID via an e-mail. Register the Serial Numbers of the units, which will be upgraded, and Activate the features via the RVN5115 MOTOTRBO CPS. Internet connection is required during the registration, but the activation can be done offline. MOTOTRBO Software Licenses are NOT transferable from one device to another. Once a software feature has been Registered and Activated in a radio, it can NOT be transferred to another radio. If a radio unit is sent for repairs to a Motorola repair service depot, and the unit is readable with CPS, it will be returned back with the same features enabled, as it had originally. If the radio cannot be read with CPS, it will be returned from repairs with only factory default settings, since the depot cannot verify the features, which were originally enabled. In this case, a call to Technical Support 800-927-2744 will be required to request a replacement license.	$50.00

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SUGGESTED RETAIL

XPR™ 7550 & XPR 7580
VHF,UHF & 800/900MHz PORTABLES
6.25e/12.5 kHz

Standard Package Includes:

- IMPRES™ Li-ion 2150mAh Battery (PMNN4409)
- IMPRES™ Single-Unit Charger (WPLN4232)
- UHF, VHF , 800/900 MHz Antenna (must select appropriate option)
- 2.5" Belt Clip (PMLN7008)
- Accessory Dust Cover
- Two Year Warranty
- One Year Service from Start -LITE

Main Radio Features: [1]

Max. Number of Channels	1,000
Display	Color
Keypad	Full
Menu Navigation Buttons	✓
Side Programmable Buttons	3
Front Programmable Buttons	2
Top Channel Knob Positions	Continuous
Top Programmable (Orange) Button	✓
Ingress Protection Rating	IP57

Enhanced Radio Features: [1]

GPS	✓
Intrinsically Safe Option	Optional
Expansion Card	✓
Bluetooth Audio	✓
Data Services via Bluetooth [2]	Optional
Accessory RF Port (for PSM)	N/A
Third Party Applications	✓

Systems Supported: [1]

Analog Conventional	✓
Digital Conventional	✓
IP Site Connect	✓
Capacity Plus	✓
Linked Capacity Plus	✓
Connect Plus	Optional
LTR/PassPort	Optional

Notes:

1. Please refer to the MOTOTRBO Subscriber Matrix Section for more details on features supported on each type of system.
2. Requires software license HKVN4249 to send data from Bluetooth enabled device via the radio system
3. The XPR 7000 series requires the PMKN4012B Programming Cable or PMKN4013C Programming and Test/Aligning Cable

Frequencies Not Allowed for XPR 7550 & XPR 7580:

139.190	148.810	152.575	158.710	408.000	449.555	504.000	940.800
139.200	149.015	152.585	158.720	408.010	451.200	504.010	940.810
139.210	149.025	153.590	158.730	412.800	455.990	508.800	
141.590	149.035	153.600	163.190	422.400	456.000	518.400	
141.600	150.515	153.610	163.200	431.615	456.010	854.390	
141.610	150.525	154.615	163.210	431.990	460.800	854.400	
143.350	150.535	154.625	167.990	432.000	468.735	854.410	
143.360	150.990	154.635	168.000	432.010	470.400	863.015	
143.370	151.000	156.665	168.010	441.600	479.990	863.025	
148.470	151.010	156.675	172.790	443.990	480.000	863.035	
148.480	151.730	156.685	172.800	444.000	480.010	863.790	
148.490	151.740	158.390	172.810	444.010	494.400	864.000	
148.790	151.750	158.400	403.200	449.545	499.200	864.010	
148.800	152.565	158.410	407.990	449.550	503.990	940.790	

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SUGGESTED RETAIL

XPR™ 7550 & XPR™ 7580
VHF, UHF & 800/900MHz PORTABLES
OPTIONS

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MSRP
XPR™ 7550 & XPR 7580 Display with Color Display, GPS, Bluetooth, Expansion Card					
136-174 MHz	VHF	1W to 5W (ships 5W)	1000	AAH56JDN9KA1_N	$1,123.00
403-512 MHz	UHF	1W to 4W (ships 4W)	1000	AAH56RDN9KA1_N	$1,165.00
806-941 MHz	800/900	1W to 2.5W (ships2.5W)	1000	AAH56UCN9KB1_N	$1,165.00

FCC INFORMATION VHF: ABZ99FT3085, UHF1/2: ABZ99FT4086, 800/900: ABZ99FT5014

Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

STEP 1:

VHF,UHF Battery Choices:

STDBAT0871	Standard Battery - IMPRES Li-ion, 2150 mAh, 7.2V, Submersible (IP57) Battery (PMNN4409)	N/C
QA02300	IMPRES Li-ion, 1500 mAh, 7.2V, Submersible (IP57) Battery Slim (PMNN4407)	$16.67
QA02309	IMPRES Li-ion, 2300 mAh, 7.2V, Submersible (IP57) Battery - Intrinsically Safe FM (NNTN8129)	$50.00

800/900MHz Battery Choices:

STDBAT0126	Standard Battery - IMPRES Li-ion, 2150 mAh, 7.2V, Submersible (IP57) Battery (PMNN4409)	N/C
QA02300	IMPRES Li-ion, 1500 mAh, 7.2V, Submersible (IP57) Battery Slim (PMNN4407)	$16.67
QA02309	IMPRES Li-ion, 2300 mAh, 7.2V, Submersible (IP57) Battery - Intrinsically Safe FM (NNTN8129)	$50.00

The XPR 7350, XPR 7550, XPR7380 and XPR7580 Intrinsically safe, FM Approved, portable radio units MUST be ordered and shipped from Motorola with the FM option QA20309 - Li-Ion battery NNTN8129, for the radios to be labeled as FM Approved in accordance with Canada and US Codes as intrinsically safe for use in Class I, II, III, Division 1, Groups C,D,E,F,G, and Division 2, Class I, Groups A,B,C,D.

STEP 2:

VHF,UHF Charger Choices:

STDCHG0871	Standard Charger - IMPRES Single Unit Charger with Switch Mode Power Supply (WPLN4232)	N/C
H951	Omit Standard Charger	-$20.00

800/900MHz Charger Choices:

STDCHG0126	Standard Charger - IMPRES Single Unit Charger with Switch Mode Power Supply (WPLN4232)	N/C
H951	Omit Standard Charger	-$20.00

STEP 3:

Antenna Choices - You MUST choose one:

NOTE: The XPR7550 & XPR7580 radios are equipped with an integrated GPS antenna and do not require a secondary external GPS

VHF Antenna Options

QA02299	VHF Helical Antenna 136-155 MHz (PMAD4117)	N/C
QA02308	VHF Helical Antenna 144-165 MHz (PMAD4116)	N/C
QA02310	VHF Helical Antenna 152-174 MHz (PMAD4118)	N/C
QA02307	VHF Stubby Antenna 136-148 MHz (PMAD4119)	N/C
QA02305	VHF Stubby Antenna 160-174 MHz (PMAD4121)	N/C
QA02306	VHF Stubby Antenna 146-160 MHz (PMAD4120)	N/C

UHF Antenna Options:

QA02304	UHF Slim Whip Antenna 403-527 MHz (PMAE4079)	
QA02303	UHF Stubby Antenna 403-450 MHz (PMAE4069)	N/C
QA02302	UHF Stubby Antenna 440-490 MHz (PMAE4070)	N/C
QA02301	UHF Stubby Antenna 470-512 MHz (PMAE4071)	N/C

800/900MHz Antenna Options:

QA01915	800 MHz Whip Antenna 806-870 MHz (PMAF4011)	N/C
Qa01916	900 MHz Whip Antenna 896-941 MHZ (PMAF4012)	N/C
H112	Omit Standard Antenna	-$3.50

STEP 4:

VHF,UHF Shipping Box Choices:

STDBOX0871	Standard Model Box	N/C
H415	Bulk Packaging (minimum 10 units per line item)	N/C

800/900MHz Shipping Box Choices:

STDBOX0126	Standard Model Box	N/C
H415	Bulk Packaging (minimum 10 units per line item)	N/C

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SUGGESTED RETAIL

XPR™ 7550 & XPR™ 7580
VHF & UHF PORTABLES
OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP

STEP 5:

The XPR Series portables ship with a Standard 2-year parts and labor warranty. Additionally, they ship standard with a 1- year Service from the Start -LITE (SfS) for 3 years of total coverage. The 1- year of SfS -LITE coverage can be omitted by selecting the QA00510 option, which would provide only 2 years of standard warranty coverage. Additional SfS -LITE options are also available in the General Options section. Local Services are not included, contact your Customer Support Manager to add units on a Local Support Contract.

VHF, UHF Service from the Start -LITE:

STDRSA0871	Standard 2 Year Warranty + 1 Year Service from the Start -LITE(3 years of Coverage)	N/C
QA00510	Omit 1 Year Service from the Start -LITE (Omitting this option would provide 2 years of Standard Warranty)	-$11.00

800/900 Service from the Start -LITE Choices:

STDRSA0126	Standard 2 Year Warranty + 1 Year Service from the Start -LITE(3 years of Coverage)	N/C
QA00510	Omit 1 Year Service from the Start -LITE (Omitting this option would provide 2 years of Standard Warranty)	-$11.00

MOTOTRBO Connect Plus Trunking Operation:

MOTOTRBO Connect Plus is the next generation professional digital trunking communications solution that provides enhanced performance, productivity and value for two way radio users. Please refer to the XRC 9000 Controller section (under Fixed Equipment) for more information on how to order Connect Plus trunking systems.

QA02005	Connect Plus Trunking Operation Includes factory loading of the Connect Plus firmware application. The discount included in the pricing of this option ($25 List) is to be applied towards the purchase of the Connect Plus license (HKLN4457A). License HKLN4457A is required to Register and Activate the Connect Plus functionality in the radio and must be purchased separately from the QA02005 option (see details below).	-$25.00
HKLN4457	Connect Plus Trunking License An Entitlement ID (EID) will be delivered via e mail to the address specified during order placement. Register and Activate the Connect Plus license in the MOTOTRBO Connect Plus capable radios using MOTOTRBO CPS (version 9.0 or higher). Registration requires an internet connection. Multiple licenses can be ordered under the same line item.	$25.00

Notes:
2. Option QA02005 compatible with Intrinsically Safe factory installed option (QA02309).
3. Option QA02005 requires MOTORBO CPS version 9.0 or higher.
4. Option QA02005 requires MOTORBO Option Board CPS (available in MOL Resource Center at no cost).
5. Connect Plus Trunking Operation requires:
   a. MOTOTRBO digital firmware release R02.06.30 or higher (included with factory option QA02005)
   b. MOTOTRBO expansion card (included in all XPR7000's by default)
   c. Connect Plus software (included with factory option QA02005)
   d. Connect Plus software license (order HKLN4457 separately)
6. Please refer to the Fixed Equipment section for Connect Plus Trunking system information.
7. Please refer to the Connect Plus System Planner and your Motorola ACES team representative

HKVN4072	Connect Plus Man Down	$70.00

General Options:

QA00505	IMPRES Remote Speaker Microphone with 3.5mm Audio Jack (PMMN4025)	$90.00
QA00506	Submersible (IP57) Remote Speaker Microphone (PMMN4040)	$75.00
QA02817	Noise Cancelling - Intrinsically Safe (FM) Remote Speaker Microphone with 3.5mm Audio Jack (PMMN4050)	$95.00
QA00507	Lightweight Headset (RMN5058)	$99.00
QA00508	IMPRES 2-Wire Surveillance Kit with Clear Comfortable Acoustic Tube, Black, (PMLN6129)	$122.00
QA00509	IMPRES 2-Wire Surveillance Kit with Clear Comfortable Acoustic Tube, Beige, (PMLN6130)	$122.00

The XPR Series portables ship with a standard 2-year parts and labor warranty. Additionally, they ship standard with a 1-year Service from the Start -LITE (SfS) option (formerly known as the Repair Service Advantage). If you desire additional years of SfS -LITE, you may choose one of the following three options. Please note that these plans are in addition to the 2-year standard warranty and 1 year SfS -LITE ships standard with unit.Fore xample , if you order the H885, you will receive: 2 years standard warranty + 1 year SfS-LITE, PLUS 2 additional years of SfS-LITE for a total coverage of 5 years.

Q884	Provides for 1 year of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS -LITE that ships standard with the unit for a total coverage period of 4 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$38.00
H885	Provides for 2 years of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS -LITE that ships standard with the unit for a total coverage period of 5 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$73.00
H886	Provides for 3 years of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS -LITE hat ships standard with the unit for a total coverage period of 6 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$108.00

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SUGGESTED RETAIL

XPR™ 7550 & XPR™ 7580
VHF & UHF PORTABLES
OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP
HA00022	Service from the Start Comprehensive Provides 3 years of hardware repair coverage and chemical, liquid, and other physical damage on your Motorola portable and mobile subscriber radios. Comprehensive coverage starts from the first day the radio is put into use. Repairs will made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option. ***This SfS Comprehensive option is provided at an $11 discount to override the existing 1-year SfS-LITE that is already tied to the radio.***	$184.00
QA01839	LTR/PassPort Enhanced Operation. Factory Installed. Includes built-in MOTOTRBO Expansion Card and installation of Scholer-Johnson software license. Notes: 1) Scholer-Johnson LTR/PassPort application runs on the MOTOTRBO Expansion Card. The application is compatible with both Classic and Enhanced PassPort operation. 2) Scholer-Johnson LTR/PassPort application requires winSJIppTRBO programming software. 3) MOTOTRBO XPR 5000/7000 series radios require firmware R02.04 version or higher. 4) Scholer-Johnson LTR/PassPort application is available only for Alpha-numeric Display portable and mobile models. 5) Scholer-Johnson LTR/PassPort application is compatible with FM equipped portables. 6) MDC signaling is not currently available in application's conventional or LTR modes of operation for XPR 5000/7000 series radios. 7) Quik Call II signaling is not currently available in application's conventional or LTR modes of operation. 8) Trident TrAVL operation using Scholer-Johnson application is not available for XPR 5000 series mobiles. 9) Expansion Card draws additional current from radio battery so using a higher capacity battery may be required. 10) To purchase aftermarket Scholer-Johnson LTR/PassPort application and winSJIppTRBO programming software please contact Scholer-Johnson Inc. at 407 645 5093. 11) For Technical support on the LTR/PassPort application please contact Scholer-Johnson Inc. at 407 645 5093.	$72.00
Premium Software Feature:		
HKVN4249	MOTOTRBO Permanent Discoverable & Data Transfer Services via Bluetooth Notes: Use this part number to purchase Entitlement ID's (EID) to Register and Activate the Bluetooth Data Transfer option in the radios. You will receive the EID via an e-mail. Register the Serial Numbers of the units, which will be upgraded, and Activate the features via the RVN5115 MOTOTRBO CPS. Internet connection is required during the registration, but the activation can be done offline. MOTOTRBO Software Licenses are NOT transferable from one device to another. Once a software feature has been Registered and Activated in a radio, it can NOT be transferred to another radio. If a radio unit is sent for repairs to a Motorola repair service depot, and the unit is readable with CPS, it will be returned back with the same features enabled, as it had originally. If the radio cannot be read with CPS, it will be returned from repairs with only factory default settings, since the depot cannot verify the features, which were originally enabled. In this case, a call to Technical Support 800-927-2744 will be required to request a replacement license.	$50.00

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Date 5/7/14
SUGGESTED RETAIL

SL 7550 / SL 7580 / SL 7590

UHF1, 800 MHz, 900 MHz PORTABLES

6.25e/12.5 kHz

Effective 5/5/14, all SL models will ship standard with the new Ultra Hi-Capacity Battery! The previous 1,800 mAh battery is available as option QA04403.

Standard Package Includes:

- BT100 2200 mAh Li-Ion Ultra Hi-Cap Battery (PMNN4459)
- Micro USB Charger, Non-Vehicular (PMPN4009)
- Pre-Installed UHF 438-470MHz (PMAE4077), UHF2 450-490MHz (PMAE4091), 800 MHz (PMAF4017), or 900 MHz (PMAF4018) Antenna
- Carry Holder (PMLN5956)
- Quick Reference Guide/Safety Booklet (68009553001)
- Two Year Warranty
- One Year Service from the Start -LITE

Main Radio Features: [2]

Max. Number of Channels	1000
Display - 5 Line Color Alphanumeric	✓
Keypad	✓
Menu Navigation Buttons	✓
Side Programmable Buttons	N/A
Front Programmable Buttons	2
Top Channel Knob Positions	N/A
Side Programmable (Orange) Button	✓
Ingress Protection Rating	IP54

Enhanced Radio Features: [2]

GPS	N/A
Intrinsically Safe Option	N/A
Expansion Card	✓
Bluetooth Audio	✓
Data Services via Bluetooth [3]	Optional
Accessory RF Port (for PSM)	N/A
Third Party Applications	✓

Systems Supported: [2]

Analog Conventional	N/A
Digital Conventional	✓
IP Site Connect	✓
Capacity Plus	✓
Connect Plus	Optional
LTR/PassPort	N/A
Linked Capacity Plus	✓

Notes:

1. Additional optional UHF antenna band splits available. A micropresicion screwdriver TORX™ T4 (not included) is required to assemble the antenna kit.
2. Please refer to the MOTOTRBO Subscriber Matrix Section for more details on features supported on each type of system.
3. Requires software license HKVN4249 to send data from Bluetooth enabled device via the radio system

Frequencies Not Allowed for SL 7550 / SL 7580 / SL 7590:

403.2±15 kHz	432±20kHz	443.895±5kHz	460.8±15kHz	499.2±5kHz	852±10kHz	938.4±kHz
404±10 kHz	432.1±kHz	444±20kHz	468±20kHz	500±5kHz	854.4±20kHz	940±10kHz
412±5kHz	432.45±kHz	451.2±15kHz	476±5kHz	516±5kHz	860±10kHz	
420±15kHz	436±5kHz	452±10kHz	480±5kHz	518.4±5kHz	864±50kHz	
422.4±15kHz	440±5kHz	456±20kHz	484±5kHz	523.2±5kHz	868±10kHz	
428±5kHz	441.6±15kHz	460±5kHz	492±5kHz	524±5kHz	936±10kHz	

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SL 7550 / SL 7580 / SL 7590

UHF1, 800 MHz, 900 MHz PORTABLES

6.25e/12.5 kHz

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MSRP
403-470 MHz	UHF1	2W	1000	AAH81QCN9NA2_N	$1,165.00
450-512 MHz	UHF2	2W	1000	AAH81TCN9NA2_N	$1,165.00
806-870 MHz	800	2W	1000	AAH81VCN9NB2_N	$1,165.00
896-941 MHz	900	2W	1000	AAH81WCN9NB2_N	$1,165.00

FCC INFORMATION UHF1: ABZ99FT4090, UHF2: AZ489FT4918, 800: AZ489FT5866, 900: AZ489FT5867

Options: TO COMPLETE AN ORDER YOU MUST CHOOSE ONE (1) OPTION FROM EACH STEP BELOW

STEP 1:

UHF Battery Choices:

STDBAT0682	Standard Battery - BT100 2200 mAh Li-Ion Ultra Hi-Cap Battery (PMNN4459) and Cover	N/C
QA04403	ALT: BT90 1800 mAh Li-Ion Hi-Cap Battery (HKNN4013) and Cover	N/C

800 MHz & 900 MHz Battery Choices:

STDBAT0806	Standard Battery - BT100 2200 mAh Li-Ion Ultra Hi-Cap Battery (PMNN4459) and Cover	N/C
QA04403	ALT: BT90 1800 mAh Li-Ion Hi-Cap Battery (HKNN4013) and Cover	N/C

STEP 2:

UHF Charger Choices:

STDCHG0682	Standard Charger - Micro USB Charger, Non-Vehicular (PMPN4009)	N/C
H951	Omit Standard Charger	-$8.00

800 MHz & 900 MHz Charger Choices:

STDCHG0806	Standard Charger - Micro USB Charger, Non-Vehicular (PMPN4009)	N/C
H951	Omit Standard Charger	-$8.00

STEP 3:

UHF Carry Holder Choices:

STDBLT0682	Standard Carry Holder - Carry Holder (PMLN5956)	N/C
H301	Omit Standard Carry Holder	-$5.00

800 MHz & 900 MHz Carry Holder Choices:

STDBLT0806	Standard Carry Holder - Carry Holder (PMLN5956)	N/C
H301	Omit Standard Carry Holder	-$5.00

STEP 4:

UHF Shipping Box Choices:

STDBOX0682	Standard Model Box	N/C
H415	Bulk Packaging (Minimum 10 units per line item)	N/C

800 MHz & 900 MHz Shipping Box Choices:

STDBOX0806	Standard Model Box	N/C
H415	Bulk Packaging (Minimum 10 units per line item)	N/C

STEP 5:

The SL Series portables ship with a Standard 2 year parts and labor warranty. Additionally, they ship standard with a 1 year Service from the Start -LITE (SfS) option for 3 years of total coverage. The 1 year of SfS coverage can be omitted by selecting the QA00510 option, which would provide only 2 years of standard warranty coverage. Additional SfS options are also available in the General Options section. Local Services are not included, contact your Customer Support Manager to put units on a Local Support Contract.

UHF Service from the Start -LITE Choices:

STDWAR0682	Standard 2 Years of Standard Warranty +1 Year Service from the Start -LITE (3 years of service)	N/C
QA00510	Omit 1 Year Service from the Start -LITE (Omitting this option would provide 2 years of Standard Warranty)	-$11.00

800 MHz & 900 MHz Service from the Start -LITE Choices:

STDWAR0806	Standard 2 Years of Standard Warranty +1 Year Service from the Start -LITE (3 years of service)	N/C
QA00510	Omit 1 Year Service from the Start -LITE (Omitting this option would provide 2 years of Standard Warranty)	-$11.00

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Date 6/2/14
SUGGESTED RETAIL

SL 7550 / SL 7580 / SL 7590

UHF1, 800 MHz, 900 MHz PORTABLES

6.25e/12.5 kHz

MOTOTRBO Connect Plus Trunking Operation:		**MSRP**
	MOTOTRBO Connect Plus is the next generation professional digital trunking communications solution that provides enhanced performance, productivity and value for two way radio users. Please refer to the XRC 9000 Controller section (under Fixed Equipment) for more information on how to order Connect Plus trunking systems.	
QA02005	Connect Plus Trunking Operation Includes factory loading of the Connect Plus firmware application. The discount included in the pricing of this option ($25 List/$15 Reseller) is to be applied towards the purchase of the Connect Plus license (HKLN4457A). License HKLN4457A is required to Register and Activate the Connect Plus functionality in the radio and must be purchased separately from the QA02005 option (see details below).	-$25.00
HKLN4457	Connect Plus Trunking License An Entitlement ID (EID) will be delivered via e mail to the address specified during order placement. Register and Activate the Connect Plus license in the MOTOTRBO Connect Plus capable radios using MOTOTRBO CPS (version 9.0 or higher). Registration requires an internet connection. Multiple licenses can be ordered under the same line item.	$25.00
	Notes: 1. Option QA02005 requires MOTORBO CPS version 9.0 or higher. 2. Option QA02005 requires MOTORBO Option Board CPS (available in MOL Resource Center at no cost). 3. Connect Plus Trunking Operation requires: a. MOTOTRBO digital firmware release R02.30.00 or higher (included with factory option QA02005) b. MOTOTRBO expansion card (included in all SL Series portables by default) c. Connect Plus software (included with factory option QA02005) d. Connect Plus software license (order HKLN4457 separately) 4. Please refer to the Fixed Equipment section for Connect Plus Trunking system information. 5. Please refer to the Connect Plus System Planner and your Motorola ACES team representative	

General Options:		**MSRP**
UHF1 Antennas		
A micro-precision screwdriver TORX™ T4 (not included) is required to assemble the antenna kit.		
QA02744	ADD: Stubby Antenna Kit 403-425MHz (PMAE4078)	N/C
QA02755	ADD: Stubby Antenna Kit 420-445MHz (PMAE4076)	N/C
UHF2 Antennas		
QA02302	ADD: Stubby Antenna Kit 480-527MHz (PMAE4092A)	N/C
Accessories		
QA02813	ADD: SL Series Tri-Unit Charger (PMLN6701)	$71.00
QA02814	ADD: Bluetooth Earpiece Pod w/Fast PTT, 12" Cable (NNTN8125)	$215.00
QA02815	ADD: Swivel Earpiece w/In-Line Microphone and PTT (PMLN5958)	$26.00
QA02816	ADD: Surveillance Earpiece w/In-Line Microphone and PTT (PMLN5957)	$35.00

Service from the Start - LITE		**MSRP**
Q884	ADD: 1-Year Service from the Start -LITE Provides for 1 year of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS that ships standard with the unit for a total coverage period of 4 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$38.00
H885	ADD: 2-Year Service from the Start -LITE Provides for 2 years of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS that ships standard with the unit for a total coverage period of 5 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$73.00
H886	ADD: 3-Year Service from the Start -LITE Provides for 3 years of extended hardware coverage beginning after the 2 year standard warranty and 1 year of RSA that ships standard with the unit for a total coverage period of 6 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$108.00
HA00022	ADD: Service from the Start -LITE Comprehensive Provides 3 years of hardware repair coverage and chemical, liquid, and other physical damage on your Motorola portable and mobile subscriber radios. Comprehensive coverage starts from the first day the radio is put into use. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option. This SfS Comprehensive option is provided at an $11 discount to override the existing 1-year SfS that is already tied to the radio.	$184.00

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SUGGESTED RETAIL

SL 7550 / SL 7580 / SL 7590

UHF1, 800 MHz, 900 MHz PORTABLES

6.25e/12.5 kHz

Premium Software Feature:

For more information, please refer to the Software License section.

HKVN4249	MOTOTRBO Permanent Discoverable & Data Transfer Services via Bluetooth	$50.00

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Date 5/7/14

SUGGESTED RETAIL

MOTOTRBO
PORTABLE ACCESSORIES

XPR 3300/3500	XPR 6100	XPR 6350 6550	XPR 6380/6580	XPR 7350/7550	XPR 7380/7580	SL 7550	SL 7580/SL 7590	MODEL NUMBER	DESCRIPTION	MSRP
								Antennas:		
			X					NAF5087	Whip Antenna 800 MHz 1/2 Wave	$35.75
			X					NAF5088	Whip Antenna 900 MHz 1/2 Wave	$35.75
	X	X						PMAD4067	Combination VHF Whip Antenna with GPS, 136-147 MHz - Intrinsically Safe (FM)	$11.50
	X	X						PMAD4068	Combination VHF Whip Antenna with GPS, 147-160 MHz - Intrinsically Safe (FM)	$11.50
	X	X						PMAD4069	Combination VHF Whip Antenna with GPS, 160-174 MHz - Intrinsically Safe (FM)	$11.50
		X						PMAD4086	VHF Antenna for Public Safety Microphone, 150-174 MHz - Intrinsically Safe (FM)	$10.75
		X						PMAD4087	VHF Antenna for Public Safety Microphone, 136-153 MHz - Intrinsically Safe (FM)	$10.75
	X	X						PMAD4088	VHF Flexible Whip Antenna 21cm (136-174MHz)	$21.50
	X	X						PMAD4093	VHF Stubby Antenna 11cm (136-147MHz)	$11.00
	X	X						PMAD4094	VHF Stubby Antenna 11cm (147-160MHz)	$11.00
	X	X						PMAD4095	VHF Stubby Antenna 11cm (160-174MHz)	$11.00
X				X				PMAD4116	VHF Helical Antenna (144-165 MHz)	$9.00
X				X				PMAD4117	VHF Helical Antenna (136-155 MHz)	$9.00
X				X				PMAD4118	VHF Helical Antenna (152-174 MHz)	$9.00
X				X				PMAD4119	VHF Stubby Antenna (136-148 MHz)	$10.00
X				X				PMAD4120	VHF Stubby Antenna (146-160 MHz)	$10.00
	X	X						PMAE4018	Combination UHF Whip Antenna with GPS, 403-433 MHz - Intrinsically Safe (FM)	$10.50
	X	X						PMAE4021	Combination UHF Stubby Antenna with GPS, 403-433 MHz - Intrinsically Safe (FM)	$10.75
	X	X						PMAE4022	UHF Flexible Whip Antenna 16cm (403-470MHz)	$10.25
	X	X						PMAE4023	Combination UHF Stubby Antenna with GPS, 430-470 MHz - Intrinsically Safe (FM)	$10.75
	X	X						PMAE4024	Combination UHF Whip Antenna with GPS, 430-470 MHz - Intrinsically Safe (FM)	$10.50
		X						PMAE4046	UHF Stubby Antenna for Public Safety Microphone, 403-433 MHz - Intrinsically Safe (FM)	$10.75
		X						PMAE4047	UHF Stubby Antenna for Public Safety Microphone, 430-470 MHz - Intrinsically Safe (FM)	$10.75
	X	X						PMAE4048	UHF2 + GPS Stubby Antenna, 450-527 MHz (can be used with Public Safety Microphone)	$10.50
	X	X						PMAE4049	UHF Flexible Whip Antenna 16cm (450-527MHz)	$10.50
	X	X						PMAE4050	Combination GPS/ UHF 450-495 MHz Folded Monopole Antenna	$10.75
	X	X						PMAE4051	Combination GPS/ UHF 495-527 MHz Folded Monopole Antenna	$10.75
X				X				PMAE4069	UHF Stubby Antenna (403-450 MHz)	$9.50
X				X				PMAE4070	UHF Stubby Antenna (440-490 MHz)	$9.50
X				X				PMAE4071	UHF Stubby Antenna (470-512 MHz)	$9.50
X				X				PMAE4079	UHF Slim Whip Antenna (403-512 MHz)	$9.50
						X		PMAE4076	Antenna Kit, Stubby (420-445MHz)	$15.00
						X		PMAE4077	Antenna Kit, Stubby (438-470MHz)	$15.00
						X		PMAE4078	Antenna Kit, Stubby (403-425MHz)	$15.00
			X					PMAF4003	800/900 MHz & GPS Helical Antenna (806-941 MHz)	$22.00
					X			PMAF4011	800 MHz Flexible Whip Antenna (806-870MHZ)	$10.00
					X			PMAF4012	900 MHz Flexible Whip Antenna (896-941MHZ)	$10.00
X				X	X			32012144001	Gray Antenna ID Band (pack of 10)	$6.50
X				X	X			32012144002	Yellow Antenna ID Band (pack of 10)	$6.50
X				X	X			32012144003	Green Antenna ID Band (pack of 10)	$6.50
X				X	X			32012144004	Blue Antenna ID Band (pack of 10)	$6.50
X				X	X			32012144005	Purple Antenna ID Band (pack of 10)	$6.50
								Batteries:		
						X	X	HKNN4013	BT90 1800 mAh Li-Ion Hi-Cap Battery	$25.00
						X	X	PMLN6000	Battery Cover for BT70 Battery	$14.00
						X	X	PMLN6001	Battery Cover for BT90 Battery	$14.00
		X	X					PMNN4065	NiMH, 1300 mAh, 7.2V Submersible (IP57) Battery	$75.00
						X	X	PMNN4425	BT70 1370 mAh Li-Ion Slim Battery	$16.00
									IMPRES™: *The IMPRES smart energy system ensures maximum talk-time and optimized battery cycle life through the use of its advanced charging technology and automatic reconditioning features, when used with IMPRES batteries.*	
				X	X			NNTN8129	IMPRES Li-ion, 2300 mAh,Submersible (IP67) Battery - Intrinsically Safe (FM)	$130.00
	X	X	X					PMNN4066	IMPRES Li-ion, 1500 mAh, 7.2V Submersible (IP57) Battery	$88.00
		X	X					PMNN4069	IMPRES Li-ion, 1400 mAh, 7.2V Submersible (IP57) Battery - Intrinsically Safe (FM)	$134.00
	X	X	X					PMNN4077	IMPRES Li-ion, 2200 mAh, 7.2V Submersible (IP57) Battery	$112.00
X								PMNN4406	Slim Li-Ion, 1500 mAh battery, Submersible (IP67) Battery	$66.00
X				X	X			PMNN4407	IMPRES Slim Li-Ion, 1500 mAh battery, Submersible (IP67) Battery	$88.00
X				X	X			PMNN4409	IMPRES Li Ion, 2150 mAh, Hi-Cap, Submersible (IP67) Battery	$112.00
				X	X			PMNN4435	Li-Ion , 1300 mAh 1400T (IP57) Battery. Low temp -30C rated, long life (1000 cycles typical)	$98.00
						X	X	PMNN4459	Li-Ion, 2200 mAh (BT100) Battery. If ordering as a replacement to another capacity battery, must order PMLN6745 Battery Cover	$35.00
						X	X	PMLN6745	Battery Cover for BT100 Battery	$14.00
								Call Boxes:		

Allows for integration into most existing radio systems and provides direct access to personnel connected to the system. Allows for expansion of security coverage and can help improve response time without the need for additional personnel. Includes a voice instruction message for the user, automatic call box ID and user location identifiers, a courtesy light, easy push-to-talk operation, a silent tamper alert broadcast to security, low battery alert, 40-day standby battery capacity, one 12-volt, 12 amp/hour rechargeable battery, call box keys and tamper resistant screw bits. Pricing does not include radio or installation. Remote speaker microphone cable and BNC antenna adaptor for the particular radio model must be supplied by the reseller.

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Date 2/1/14

SUGGESTED RETAIL

MOTOTRBO
PORTABLE ACCESSORIES

XPR 3300/3500	XPR 6100	XPR 6350 6550	XPR 6380/6580	XPR 7350/7550	XPR 7380/7580	SL 7550	SL 7580/SL 7590	MODEL NUMBER	DESCRIPTION	MSRP
								Call Boxes (continued):		
								A1 Call Boxes - Field programmable. Mounts on a wall, or on a PVC or aluminum stanchion. Solar or AC/DC power. The .090 thick aluminum enclosure with white powder coat measures 13"H x 9.5"W x 6.5"D. Provides protection against dust and falling rain. For indoor and outdoor use. Includes antenna and set of small reflective decals.		
	X	X	X					RRDN4362	Solar Wall or Pole Mounting	$2,565.00
	X	X	X					RRDN4363	AC/DC Wall or Pole Mounting	$2,465.00
	X	X	X					RRDN4365	Solar with Aluminium Stanchion (A1010) w/o Base Pedestal	$3,395.00
	X	X	X					RRDN4366	AC/DC with Aluminium Stanchion (A1010) w/o Base Pedestal	$3,295.00
	X	X	X					RRDN4444	A1A1010 Base Pedestal	$450.00
								A106.5 Call Boxes - Freestanding. Solar or AC/DC power. The .090 thick, white powder-coated aluminum box measures 6.5' H x 10" W x 5" D. Includes antenna and choice of reflective vinyl message decal.		
	X	X	X					RRDN4588	Solar Powered w/o Base Pedestal	$2,795.00
	X	X	X					RRDN4589	AC/DC w/o Base Pedestal	$2,695.00
	X	X	X					RRDN7776	A106.5 Base Pedestal	$450.00
								A1410 Call Boxes - Self-standing. The .090 thick aluminum stanchion with white powder coat measures 10'H x 14"W x 7.5"D. Thick, clear Lexan faceplate cover and includes an activation ringer, antenna and set of large reflective decals. 10 watt solar panel provides additional charging power to allow the beacon/locator light to function 24 hours a day.		
	X	X	X					RRDN4369	Solar Powered	$3,400.00
	X	X	X					RRDN4370	AC/DC w/o Base Pedestal	$3,300.00
	X	X	X					RRDN4447	A1410 Base Pedestal	$450.00
	X	X	X					RRDN7782	A1410 Solar w/o Base Pedestal, with Public Address System (PA)	$3,745.00
								A144 Call Boxes - Flexibility. Can be wall or pole mounted for convenient accessibility. The .090 thick, white, powder-coated aluminum enclosure measures 4' H x 14" W x 7.5" D. Includes a 6-watt locator LED that converts to a strobe light when callbox is activated. Comes standard with a 10-watt solar panel and choice of large reflective vinyl message decal.		
	X	X	X					RRDN4590	Solar Wall or Pole Mounting	$3,275.00
	X	X	X					RRDN4591	AC/DC Wall or Pole Mounting	$3,175.00
								A1510 Call Boxes		
	X	X	X					RRDN7777	Solar w/o Base Pedestal	$3,445.00
	X	X	X					RRDN7778	Solar w/o Base Pedestal, with Public Address System (PA)	$4,000.00
	X	X	X					RRDN7779	AC/DC w/o Base Pedestal	$3,345.00
	X	X	X					RRDN7780	AC/DC w/o Base Pedestal, with Public Address System (PA)	$3,910.00
	X	X	X					RRDN7781	A1510 Base Pedestal	$348.00
								ACB Call Boxes - Push-to-talk communication. No door to open. The indoor/outdoor wall mount aluminum enclosure is .090 thick with white powder coat. It measures 20"H x 14"W x 7.5"D with a thick, clear Lexan face-plate cover. Includes activation ringer, antenna and set of small reflective decals.		
	X	X	X					RRDN4367	Solar Wall or Pole Mounting	$2,775.00
	X	X	X					RRDN4368	AC/DC Wall or Pole Mounting	$2,675.00
	X	X	X					RRDN7783	Mass Notification System	$1,945.00
								Carrying Solutions:		
X	X	X	X	X	X			1505596Z02	Replacement Strap for RLN4570 and HLN6602 Chest Packs	$5.00
X	X	X	X	X	X			4200865599	Belt (1.75" wide black leather belt)	$20.00
X	X	X	X	X	X			4280384F89	Universal RadioPAK™ Extension Belt for waist larger than 40"	$5.00
X	X	X	X	X	X			HLN6602	Universal Chest Pack with Radio Holder, Pen Holder & Velcro Secured Pocket	$38.00
X	X	X	X	X	X			HLN9985	Waterproof Bag, includes large carrying strap	$36.00
X	X	X	X	X	X			NTN5243	Shoulder Strap (for use with Cases with D-Rings)	$23.00
X	X	X	X					PMLN4651	2" Belt Clip	$11.00
	X	X	X					PMLN4652	2.5" Belt Clip	$12.00
		D	D					PMLN5015	Nylon Carry Case with 3" Fixed Belt Loop for Display Radio (XPR 6550 and XPR 6580 only)	$26.00
		D	D					PMLN5019	Hard Leather Carry Case w/2.5" Swivel Belt Loop for Display Radio (XPR 6550 & XPR 6580 only)	$60.00
		D	D					PMLN5020	Hard Leather Carry Case w/3" Swivel Belt Loop for Display Radio (XPR 6550 & XPR 6580 only)	$62.00
		D	D					PMLN5021	Hard Leather Carry Case w/3" Fixed Belt Loop for Display Radio (XPR 6550 & XPR 6580 only)	$51.00
	X	X	X					PMLN5022	2.5" Replacement Swivel Belt Loop	$12.00
	X	X	X					PMLN5023	3" Replacement Swivel Belt Loop	$12.00
X				X	X			PMLN5610	2.5" Replacement Swivel Belt Loop	$12.00
X				X	X			PMLN5611	3" Replacement Swivel Belt Loop	$12.00
	X	N	N					PMLN5024	Nylon Carry Case with 3" Fixed Belt Loop for Non-Display Radio (XPR 6100/6350/6380 only)	$26.00
	X	N	N					PMLN5028	Hard Leather Carry Case with 2.5" Swivel Belt Loop for Non-Display Radio	$60.00
	X	N	N					PMLN5029	Hard Leather Carry Case with 3" Swivel Belt Loop for Non-Display Radio	$62.00
	X	N	N					PMLN5030	Hard Leather Carry Case with 3" Fixed Belt Loop for Non-Display Radio	$51.00
				D	D			PMLN5838	Hard Leather Carry Case with 3" Fixed Belt Loop for Display Radio (XPR7550)	$51.00
				N	N			PMLN5839	Hard Leather Carry Case with 3" Fixed Belt Loop for Non-Display Radio (XPR7350)	$51.00
				D	D			PMLN5840	Hard Leather Carry Case with 3" Swivel Belt Loop for Display Radio (XPR7550)	$62.00
				D	D			PMLN5842	Hard Leather Carry Case with 2.5" Swivel Belt Loop for Display Radio (XPR7550)	$60.00
				N	N			PMLN5843	Hard Leather Carry Case with 2.5" Swivel Belt Loop for Non-Display Radio (XPR7350)	$60.00

D = for use with Display Radio Models // N = for use with Non-Display Radio models // X = for use with Non-Display and Display Radio Models

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Date 2/1/14

SUGGESTED RETAIL

MOTOTRBO
PORTABLE ACCESSORIES

XPR 3300/3500	XPR 6100	XPR 6350 6550	XPR 6380/6580	XPR 7350/7550	XPR 7380/7580	SL 7550	SL 7580/SL 7590	MODEL NUMBER	DESCRIPTION	MSRP
								Carrying Solutions (continued):		
				D	D			PMLN5844	Nylon Carry Case with 3” Fixed Belt Loop for Display Radio (XPR7550)	$26.00
				N	N			PMLN5845	Nylon Carry Case with 3” Fixed Belt Loop for Non-Display Radio (XPR7350)	$26.00
				N	N			PMLN5846	Hard Leather Carry Case with 3” Swivel Belt Loop for for Non-Display Radio (XPR7350)	$62.00
D								PMLN5863	Hard Leather Carry Case 3" Fixed Belt Loop for Limited Keypad Radio (XPR3500)	$51.00
N								PMLN5864	Hard Leather Carry Case with 3” Fixed Belt Loop for Non-Display Radio (XPR3300)	$51.00
D								PMLN5865	Hard Leather Carry Case with 3” Swivel Belt Loop for Limited Keypad Radio (XPR3500)	$59.00
N								PMLN5866	Hard Leather Carry Case with 3” Swivel Belt Loop for Non-Display Radio (XPR3300)	$59.00
D								PMLN5867	Hard Leather Carry Case with 2.5” Swivel Belt Loop for Limited Keypad Radio (XPR3500)	$58.00
N								PMLN5868	Hard Leather Carry Case with 2.5” Swivel Belt Loop for Non-Display Radio (XPR3300)	$58.00
D								PMLN5869	Nylon Carry Case with 3” fixed belt loop for Limited Keypad Radio (XPR3500)	$26.00
N								PMLN5870	Nylon Carry Case with 3” fixed belt loop for Non-Display Radio (XPR3300)	$26.00
						X	X	PMLN5956	Carry Holster	$12.00
						X	X	PMLN6074	Wrist Strap	$9.00
X				X	X			PMLN7008	2.5" Belt Clip (XPR3300, XPR3500, XPR7350, XPR7550, XPR7380 and XPR7580 only)	$12.00
X	X	X	X	X	X			RLN4295	Epaulet Strap, Small Clip	$18.00
X	X	X	X	X	X			RLN4570	Break-Away Chest Pack	$54.25
X	X	X	X	X	X			RLN4815	Universal RadioPAK™ & Utility Case (fanny pack)	$45.00
								Chargers:		
								IMPRES™: *The IMPRES smart energy system ensures maximum talk-time and optimized battery cycle life through the use of its advanced charging technology and automatic reconditioning features, when used with IMPRES batteries.*		
						X	X	3004209T03	Multi Unit Charger Power Cord	$7.00
X	X	X	X	X	X			NLN7967	Wall Mount Kit for Multi-Unit Charger	$21.00
X	X	X	X	X	X			NNTN7392	IMPRES™ Battery Reader (Note: This device does not charge batteries)	$250.00
X	X	X	X	X	X			NNTN7616	IMPRES Vehicular Charger	$380.00
X	X	X	X	X	X			NNTN7676	Fleet Mgmt Release 1.5 Download at MOL Resource Center, Req. Software License HKBN4036	$10.00
X	X	X	X	X	X			NNTN7677	Fleet Management Multi-Unit Charger Interface (Note: This device does not charge batteries)	$80.00
X	X	X	X	X	X			NNTN8045	Fleet Management Multi-Unit Charger Interface (Note: This device does not charge batteries)	$35.00
X								NNTN8275	Single Unit Charger, 120 volt	$57.00
						X	X	PMLN6687	Standard Multi-Unit Charger	$235.00
						X	X	PMLN6701	Standard Tri-Unit Charger	$71.00
						X	X	SPN5547	Travel Charger, Micro USB (Non-Vehicular)	$14.99
X	X	X	X	X	X			RLN5382	IMPRES™, Charger Display Module - retrofitable on IMPRES™ Multi-Unit Chargers	$95.00
	X	X	X	X	X			RLN6433	Travel Charger (includes volt reg light adapter, custom charger base, coil cord & mountg brkt)	$95.00
X	X	X	X	X	X			WPLN4212	IMPRES Multi Unit Charger	$495.00
X	X	X	X	X	X			WPLN4219	IMPRES Multi Unit Charger with Displays: When used with IMPRES batteries, IMPRES display chargers indicate charge capacity in mAh, percentage of rated capacity, battery serial number, charge status, voltage, kit number, expected full charge capacity & more.	$650.00
X	X	X	X	X	X			WPLN4232	IMPRES Single Unit Charger with CEC Compliant Switch Mode Power Supply	$63.00
								Earpieces:		
	X	X	X	X	X			5080384F72	Replacement Foam Plugs (Qty 50-for use with RLN5887) - Noise Reduction Rating = 24dB	$116.50
X	X	X	X	X	X			AARLN4885	Receive-Only Foam Earbud with 3.5mm plug to be used with Remote Speaker Microphone - Intrinsically Safe (FM)	$25.00
X								HKLN4478	Replacement quick disconnect translucent tube wth 1 clear rubber eartip (repl for PMLN5724/26)	$20.00
	X	X	X					NTN2570	Earpiece with 12" cable and push-to-talk pod (For Enh Oper Critical Wirelss with Touch Pairing)	$295.00
	X	X	X					NTN2573	Earpiece with 9.5" cable and PTT (For Enhanced Operations Critical Wireless w/Touch Pairing)	$295.00
	X	X	X	X	X	X	X	NNTN8125	Wireless Accessory Kit, Standard Pair, 12in Cable (Not compatible with SMARTNET/ Privacy Plus, Connect Plus, or LTR/PassPort modes of operation)	$239.00
	X	X	X	X	X	X	X	NNTN8126	Wireless Accessory Kit, Standard Pair, 9.5in Cable (Not compatible with SMARTNET/Privacy Plus, Connect Plus, or LTR/PassPort modes of operation)	$239.00
	X	X	X	X	X	X	X	NNTN8127	Wireless Push-to-Talk Pod with power supply (Not compatible with SMARTNET/Privacy Plus, Connect Plus, or LTR/PassPort modes of operation)	$112.00
	X	X	X	X	X	X	X	NNTN8294	Operations Critical Wireless Earbud with 11.4” cable, inline mic, BLACK. Optimized to work with the Intelligent Audio feature. Must be ordered with NNTN8127 wireless PTT	$40.00
	X	X	X	X	X	X	X	NNTN8295	Operations Critical Wireless Earbud with 45.7” cable, inline mic, BLACK. Optimized to work with the Intelligent Audio feature. Must be ordered with NNTN8127 wireless PTT Pod	$40.00
	X	X	X	X	X	X	X	NNTN8299	Replacement Eartips	$3.15
	X	X	X			X	X	NNTN8361	Eartips, Bulk Replacement	$29.50

D = for use with Display Radio Models // N = for use with Non-Display Radio models // X = for use with Non-Display and Display Radio Models

Portables - Page 40

Date 4/7/14

SUGGESTED RETAIL

MOTOTRBO
PORTABLE ACCESSORIES

XPR 3300/3500	XPR 6100	XPR 6350 6550	XPR 6380/6580	XPR 7350/7550	XPR 7380/7580	SL 7550	SL 7580/SL 7590	MODEL NUMBER	DESCRIPTION	MSRP
								Earpieces (continued):		
X	X	X	X	X	X			PMLN4620	D-Shell Receive Only Earpiece with 3.5mm plug to be used with Remote Speaker Microphone - Intrinsically Safe (FM)	$19.00
	X	X	X	X	X			PMLN5097	IMPRES 3 Wire Surveillance Kit, Black - Intrinsically Safe (FM)	$165.00
	X	X	X	X	X			PMLN5106	IMPRES 3 Wire Surveillance Kit, Beige - Intrinsically Safe (FM)	$165.00
	X	X	X					PMLN5712	Operation Critical Wireless Adapter (designed for radio software version R01.07.00 or later) Please consider battery selection when using BT devices. The additional current drawn will impact battery run time. (Not compatible with SMARTNET/Privacy Plus, Connect Plus, or LTR/PassPort modes of	$129.00
X								PMLN5724	2-Wire Surveillance Kit, Black	$46.00
X								PMLN5726	2-Wire Surveillance Kit, Beige	$46.00
X								PMLN5727	Earpiece Inline Microphone/PTT, Swivel, MagOne	$35.00
X								PMLN5731	Heavy Duty Headset, Noise Canceling, Inline PTT	$295.00
X								PMLN5732	Earset w/ Boom Microphone, Mag One	$26.00
X								PMLN5733	Mag One Earbud with inline microphone and PTT	$20.00
							X	PMLN5957	Surveillance Earpiece	$39.00
							X	PMLN5958	Swivel Earpiece with In-Line Microphone and PTT	$29.00
		X	X	X	X			PMLN5993	TRBO Wireless Adapter FM Touch Pairing Compatible with Mission Critical Wireless kits (Not compatible w/SMARTNET/Privacy Plus, Connect Plus, or LTR/PassPort modes of operation)	$105.00
				X	X			PMLN6047	Audio Adapter With Molex Jack	$110.00
	X	X	X	X	X			PMLN6123	IMPRES 3 Wire Surveillance Kit, with Translucent Tube, Black - Not FM/IS Approved	$173.00
	X	X	X	X	X			PMLN6124	IMPRES 3 Wire Surveillance Kit, with Translucent Tube, Beige - Not FM/IS Approved	$173.00
	X	X	X	X	X			PMLN6125	Receive Only Surveillance Kit, Black (single wire) - Not FM/IS Approved	$40.00
	X	X	X	X	X			PMLN6126	Receive Only Surveillance Kit, Beige (single wire) - Not FM/IS Approved	$40.00
	X	X	X	X	X			PMLN6127	IMPRES 2 Wire Surveillance Kit, Black - Not FM/IS Approved	$105.00
	X	X	X	X	X			PMLN6128	IMPRES 2 Wire Surveillance Kit, Beige - Not FM/IS Approved	$105.00
	X	X	X	X	X			PMLN6129	IMPRES 2 Wire Surveillance Kit w/ Translucent tube - Black - Not FM/IS Approved	$122.00
	X	X	X	X	X			PMLN6130	IMPRES 2 Wire Surveillance Kit w/ Translucent tube - Beige - Not FM/IS Approved	$122.00
X								PMLN6635	Lightweight Over-the-Head Headset, Single Muff, In-line PTT and Boom Mic	$88.50
	X	X	X	X	X			RLN4760	Small Custom Earpiece, Right Ear for Surveillance Kits	$20.50
	X	X	X	X	X			RLN4761	Medium Custom Earpiece, Right Ear for Surveillance Kits	$20.50
	X	X	X	X	X			RLN4762	Large Custom Earpiece, Right Ear for Surveillance Kits	$20.50
	X	X	X	X	X			RLN4763	Small Custom Earpiece, Left Ear for Surveillance Kits	$20.50
	X	X	X	X	X			RLN4764	Medium Custom Earpiece, Left Ear for Surveillance Kits	$20.50
	X	X	X	X	X			RLN4765	Large Custom Earpiece, Left Ear for Surveillance Kits	$20.50
X	X	X	X	X	X			RLN4941	Receive-Only Earpiece with translucent tube, rubber eartip and 3.5mm plug (for use with Remote Speaker Microphone - Intrinsically Safe (FM))	$58.00
	X	X	X	X	X			RLN5879	Receive Only Surveillance Kit, Beige (single-wire) - Intrinsically Safe (FM)	$40.00
	X	X	X	X	X			RLN5886	Surveillance Low Noise Kit (includes (1) rubber eartip for low noise environments)	$20.00
	X	X	X	X	X			RLN5887	Surveillance Extreme Noise Kit (includes (2) foam earplugs for high noise environments)	$32.00
	X	X	X	X	X			RLN6279	Replacement Standard Earpiece - Black	$14.00
	X	X	X	X	X			RLN6280	Replacement Standard Earpiece - Biege	$14.00
	X	X	X	X	X			RLN6282	Replacement Ear Tips, Clear - Pack of 50 (for use with RLN5886)	$45.00
	X	X	X	X	X			RLN6284	Replacement Earpiece with Low Noise Kit Attached - Beige	$26.00
	X	X	X	X	X			RLN6288	Replacement Earpiece with High Noise Kit Attached - Beige	$28.00
	X	X	X	X	X			RLN6289	Replacement Earpiece with High Noise Kit Attached - Black	$28.00
X	X	X	X	X	X			WADN4190	Receive-Only Flexible Earpiece with 3.5mm plug to be used w/the Remote Speaker Microphone	$43.00
								Headsets:		
	X	X	X	X	X			PMLN5096	D-Style Earset - Intrinsically Safe (FM)	$61.75
	X	X	X	X	X			PMLN5101	Temple Transducer - Intrinsically Safe (FM)	$228.00
	X	X	X	X	X			PMLN5102	Ultra Lightweight Headset - Intrinsically Safe (FM)	$86.00
	X	X	X	X	X			PMLN5275	Heavy-Duty Headset FM with Noise Reduction = 24dB FM includes a Noise-Cancelling Boom Microphone and can be worn with or without a hardhat. The PTT switch is located on the earcup.	$485.00
	X	X	X	X	X	X		RLN6283	Replacement Foam Earpad and Windscreen	$7.20
	X	X	X	X	X	X		RLN6490	XBT Headset BTN, Heavy Duty Headset	$699.00
	X	X	X	X	X	X		RLN6491	XBT Headset HB, Heavy Duty Headset	$699.00
	X	X	X	X	X	X		RLN6492	Headband for XBT Headset (replacement part)	$33.00
	X	X	X	X	X	X		RLN6493	Behind the neck band for XBT Headset (replacement part)	$33.00
	X	X	X	X	X	X		RLN6495	Boom Mic for XBT Headset (replacement part)	$157.50
	X	X	X	X	X	X		RLN6496	Cooling Pads for XBT Headset (replacement part)	$10.00
	X	X	X	X	X	X		RLN6497	Hygiene kit for XBT Headset (replacemnt part)	$11.50
	X	X	X	X	X	X		RLN6498	Universal 5V PSU for XBT Headset (replacement part)	$45.00
	X	X	X	X	X			RMN5058	Lightweight Headset - Intrinsically Safe (FM)	$90.00
								Microphones: *In order to support GPS with a Public Safety Microphone, both Radio and Microphone must have an Antenna.*		
	X	X	X	X	X			NNTN8382	IMPRES Industrial Noise Cancelling Microphone Submersible (IP57)	$235.00
	X	X	X	X	X			NNTN8383	IMPRES Industrial Noise Cancelling Microphone with threaded 3.5mm audio jack	$220.00
	X	X	X	X	X			PMMN4024	Remote Speaker Microphone with 3.5mm audio jack - Intrinsically Safe (FM)	$78.00
	X	X	X	X	X			PMMN4025	IMPRES Remote Speaker Microphone with 3.5mm audio jack - Intrinsically Safe (FM)	$93.00
	X	X	X	X	X			PMMN4040	Remote Speaker Microphone with 3.5mm audio jack - Intrinsically Safe (FM)	$78.00

D = for use with Display Radio Models // N = for use with Non-Display Radio models // X = for use with Non-Display and Display Radio Models

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Date 6/2/14

SUGGESTED RETAIL

MOTOTRBO
PORTABLE ACCESSORIES

XPR 3300/3500	XPR 6100	XPR 6350 6550	XPR 6380/6580	XPR 7350/7550	XPR 7380/7580	SL 7550	SL 7580/SL 7590	MODEL NUMBER	DESCRIPTION	MSRP
								Microphones (continued):		
		X	X					PMMN4041	IMPRES Public Safety Microphone, 30" Cable (antenna sold separately - PMAE4046, PMAE4047, PMAE4048, PMAD4087, PMAD4086. Listed within Antenna Section) - Intrinsically Safe (FM)	$136.00
		X	X					PMMN4042	IMPRES Public Safety Microphone, 24" Cable (antenna sold separately - PMAE4046, PMAE4047, PMAE4048, PMAD4087, PMAD4086. Listed within Antenna Section) - Intrinsically Safe (FM)	$136.00
		X	X					PMMN4043	IMPRES Public Safety Microphone, 18" Cable (antenna sold separately - PMAE4046, PMAE4047, PMAE4048, PMAD4087, PMAD4086. Listed within Antenna Section) - Intrinsically Safe (FM)	$136.00
	X	X	X	X	X			PMMN4046	IMPRES Remote Speaker Microphone with Volume - Submersible (IP57) - Intrinsically Safe (FM)	$100.00
		X	X					PMMN4047	IMPRES Public Safety Microphone, 30" Cable - Submersible (IP57) (antenna sold separately - PMAE4046, PMAE4047, PMAE4048, PMAD4087, PMAD4086 - Listed within Antenna section) - Intrinsically Safe (FM)	$228.50
		X	X					PMMN4048	IMPRES Public Safety Microphone, 24" Cable - Submersible (IP57) (antenna sold separately - PMAE4046, PMAE4047, PMAE4048, PMAD4087, PMAD4086 - Listed within Antenna section) - Intrinsically Safe (FM)	$228.50
		X	X					PMMN4049	IMPRES Public Safety Microphone, 18" Cable - Submersible (IP57) (antenna sold separately - PMAE4046, PMAE4047, PMAE4048, PMAD4087, PMAD4086 - Listed within Antenna section) - Intrinsically Safe (FM)	$228.50
	X	X	X	X	X			PMMN4050	IMPRES Remote Speaker Microphone w/3.5mm Earjack, Noise Cancelling - Intrinsically Safe (FM)	$98.00
X								PMMN4071	IMPRES Remote Speaker Microphone, Large 3.5 Jack Noise Cancelling	$85.00
X								PMMN4073	IMPRES Remote Speaker Microphone, Small 3.5 Jack	$80.00
X								PMMN4075	Remote Speaker Microphone, Small IP57, No Emerg	$75.00
X								PMMN4076	Remote Speaker Microphone, Small 3.5 jack, No Emerg	$73.00
	X	X	X	X	X			RLN6074	Remote Speaker Microphone Replacement Coil Cord Kit (for PMMN4024 and PMMN4040)	$70.00
	X	X	X	X	X			RLN6075	Remote Speaker Microphone Replacement Coil Cord Kit (for PMMN4025, PMMN4046, and PMMN4050)	$85.00
								Service Equipment: *Pricing for service parts can be found on MOL or by contacting Customer Service*		
						X	X	25-124330-01R	Programming Cable, Micro USB	Call for Pricing
						X	X	28012039001	RF ADAPTER for SL7550	Call for Pricing
	X	X	X					5880348B33	Portable SMA to BNC RF Adapter	Call for Pricing
X	X	X	X	X	X			NLN9839	Vacuum Pump for Field Install Kit	Call for Pricing
X	X	X	X	X	X			NTN4265	Pressure Pump for Field Install Kit	Call for Pricing
	X	X	X	X	X			PMKN4012	Portable Programming Cable	Call for Pricing
	X	X	X	X	X			PMKN4013	Portable Programming, Test and Align Cable	Call for Pricing
		X	X	X	X			PMKN4040	DMR Portable Telemetry Cable	Call for Pricing
X								PMKN4115	Portable Programming Cable for XPR3300 and XPR3500	Call for Pricing
X								PMKN4117	Portable Programming, Test and Align Cable for XPR3300 and XPR3500	Call for Pricing
		X	X					PMLN5496	MOTOTRBO Expansion Card	Call for Pricing
X				X	X			PMLN6154	RF Adapter for XPR3000 and XPR7000 series	Call for Pricing
				X	X			PMLN6155	RF Adapter Holder for XPR7350 and XPR7550	Call for Pricing
X								PMLN6201	RF Adapter Holder for XPR3300 and XPR3500	Call for Pricing
	X	X	X					PMNN4076	Portable Battery Eliminator	Call for Pricing
X				X	X			PMNN4428	Portable Battery Eliminator for XPR3000 and XPR7000 series	Call for Pricing
						X	X	PMNN4429	Battery Eliminator	Call for Pricing
X	X	X	X	X	X			RLN4460	Test Box for Portables and Mobiles	Call for Pricing
X	X	X	X	X	X	X	X	RVN5115	Portable, Mobile and Repeater Customer Programming Software (CPS) Package - Software Package includes CPS, Air Tracer, Tuner and the MOTOTRBO System Planner. 3 Year Subscription Package Software is compatible w/Windows XP & Windows Vista (Home & Professional Versions). Portables require PMKN4012 or PMKN4013 Programming Cable - Mobiles and Repeaters require HKN6184, PMKN4010 or PMKN4016 Programming Cables. ***Note: Software requires a license agreement and is not intended for resale.***	$265.00
X	X	X	X	X	X	X	X	HKVN4101	MOTOTRBO Radio Management (RM) license (Price quantity discount applies: 1 - 499; 500 - 999; 1000 - 4999; 5000 +). Radio Management (RM) provides a faster and more efficient way to manage and make updates to radios in a wired or over the air programming (OTAP) configuration. Each license allows for 1 additional radio to be added to RM database. Note: RM supports all MOTOTRBO radios in a wired configuration, but OTAP is not supported on the XPR4000 & XPR6000 series radios.	$0.00
								Software License Keys:		
	X	X	X					HKVN4036	NA Fleet Management License Key (Entitlement ID)	$489.00
				X	X	X	X	HKVN4088	MOTOTRBO Data Services via Bluetooth	$50.00
								User Manuals:		
	X							68009419001	XPR 6100 Portable User Guide (PDF Only)	N/C
						X	X	68009554001	SL Series User Guide (PDF only)	N/C
						X	X	68009555001	SL7550 Series Basic Service Manual (PDF only)	N/C
X	X	X	X	X	X	X	X	6880309T12	MOTOTRBO System Planner	$30.00
	X	X						6880309T30	MOTOTRBO Portable Basic Service Manual	$30.00
	X	X						6880309T31	MOTOTRBO Portable Detailed Service Manual	$40.00
	X	X						HKLN4282	Portable User Guide CD Kit (includes User Guides in English and French Canadian)	$10.00

D = for use with Display Radio Models // N = for use with Non-Display Radio models // X = for use with Non-Display and Display Radio Models

Mobiles - Page 1
Date 1/1/14
SUGGESTED RETAIL

XPR™ 2500
VHF & UHF MOBILES
6.25e/12.5 kHz

Standard Package Includes:
- Compact Microphone (PMMN4090)
- Low Profile Bracket (RLN6469)
- 10 ft Power Cable (HKN4191)
- Two-Year Warranty

Main Radio Features: [1]

Max. Number of Channels	128
Display	Monochrome
Keypad (via Enhanced Microphone)	Optional
Menu Navigation Buttons	N/A
Front Programmable Buttons	4
Channel Up / Down Rocker	✓
Control Station Operation	N/A

Enhanced Radio Features: [1]

GPS	N/A
Remote Mount	N/A
Expansion Card	N/A
Bluetooth Audio and Data	N/A
Third Party Applications	N/A

Systems Supported: [1]

Analog Conventional	✓
Digital Conventional	✓
IP Site Connect	Optional
Capacity Plus	Optional
Linked Capacity Plus	Optional
Connect Plus	N/A
LTR/PassPort	N/A

Notes:
1. Please refer to the MOTOTRBO Subscriber Matrix Section for details on features supported for each type of system.

Frequencies Not Allowed for XPR 2500:

153.590	153.610	172.800	422.400
153.600	172.790	172.810	

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Date 6/2/14
SUGGESTED RETAIL

XPR™ 2500
VHF & UHF MOBILES
OPTIONS

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MSRP
136-174 MHz	VHF	1-25W	128	AAM02JNH9JA1_N (Display)	$633.33
136-174 MHz	VHF	25-45W	128	AAM02JQH9JA1_N (Display)	$700.00
403-470 MHz	UHF	1-25W	128	AAM02QNH9JA1_N (Display)	$683.33
403-470 MHz	UHF	25-40W	128	AAM02QPH9JA1_N (Display)	$750.00

FCC INFORMATION - VHF 25W: ABZ99FT3090, VHF 45W: ABZ99FT3091, UHF 25W: ABZ99FT4092, UHF 40W: ABZ99FT4093

Options: TO COMPLETE AN ORDER YOU MUST CHOOSE ONE (1) OPTION FROM EACH STEP BELOW

STEP 1:

Microphone Options:

STDMIC0776	Standard Compact Microphone (PMMN4090). Does not support Remote Monitor.	N/C
QA03850	Heavy Duty Microphone (PMMN4091). Does not support Remote Monitor.	$31.00
QA03848	Enhanced Keypad Microphone (PMMN4089). Supports Remote Monitor.	$51.00
B71	Omit Microphone	-$10.00

STEP 2:

Bracket Options:

STDBKT0776	Standard Mounting Bracket (Low Profile - RLN6469)	N/C
B65	Omit Standard Mounting Bracket	-$4.00

STEP 3:

Cable Options: (Optional HKN9327 Ignition Switch Cable is required for installations requiring ignition sense

STDCBL0776	Standard Power Cable (HKN4191)	N/C
B161	Omit Standard Power Cable	-$8.00

Shipping Box Options:

STDBOX0776	Standard Model Box	N/C
B842	Bulk Packing (minimum 2 radios per box)	N/C

STEP 5:

Warranty Options:

STDWAR0776	Standard 2-Year Warranty	N/C

General Options:

G400	ADD: 1-Year Service from the Start -LITE Provides for 1 year of extended hardware coverage beginning after the 2 year standard warranty and that ships standard with the unit for a total coverage period of 3 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$34.00
G24	ADD: 2-Year Service from the Start -LITE Provides for 2 years of extended hardware coverage beginning after the 2 year standard warranty that ships standard with the unit for a total coverage period of 4 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$65.00
G398	ADD: 3-Year Service from the Start -LITE Provides for 3 years of extended hardware coverage beginning after the 2 year standard warranty that ships standard with the unit for a total coverage period of 5 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$97.00
GA00249	ADD: Service from the Start Comprehensive Provides 3 years of hardware repair coverage and chemical, liquid, and other physical damage on your Motorola portable and mobile subscriber radios. Comprehensive coverage starts from the first day the radio is put into use. Repairs will made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$184.00

Premium Software Features:

For more information, please refer to the Software License section.

HKVN4084	MOTOTRBO Enhanced Privacy	$50.00
HKVN4085	MOTOTRBO Transmit Interrupt Encode	$50.00
HKVN4086	MOTOTRBO Subscriber System Bundle (Capacity Plus & Linked Capacity Plus)	$166.00
HKVN4154	MOTOTRBO IP Site Connect	$83.00
HKVN4155	MOTOTRBO Linked Capacity Plus Upgrade from IP Site Connect	$83.00
HKVN4271	MOTOTRBO Digital Telephone Interconnect	$33.50

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Date 1/1/14
SUGGESTED RETAIL

XPR™ 4350
VHF & UHF MOBILES
6.25e/12.5 kHz

Standard Package Includes:
- Compact Microphone (RMN5052)
- Low Profile Bracket (RLN6076)
- 10 ft Power Cable (HKN4191)
- Replaceable Button Package
- Two Year Warranty
- One Year Service from the Start -LITE

Main Radio Features: [1]

Max. Number of Channels	32
Display	Monochrome
Keypad (via Enhanced Microphone)	Optional
Menu Navigation Buttons	N/A
Side Programmable Buttons	N/A
Front Programmable Buttons	2
Channel Up / Down Rocker	✓
Control Station Operation [2]	✓

Enhanced Radio Features: [1]

GPS	✓
Remote Mount	Optional
Expansion Card	Optional
Bluetooth Audio	N/A
Third Party Applications	✓

Systems Supported: [1]

Analog Conventional	✓
Digital Conventional	✓
IP Site Connect [3]	✓
Capacity Plus	✓
Connect Plus [4]	Optional
LTR/PassPort	N/A
Linked Capacity Plus	✓

Notes:
1. Please refer to the MOTOTRBO Subscriber Matrix Section for more details on features supported on each type of system.
2. Requires external power supply (HPN4007), optional desktop tray, and optional desktop microphone.
3. The channel number that appears on the numeric display will change as the radio roams from site to site on an IP Site Connect system. If this is inconvenient to the end user, please use the XPR 4550 mobile which allows for channel name aliasing.
4. Requires option QA00588 and license HKLN4457.

Frequencies Not Allowed for XPR 4350:

144.000	172.025	498.825
147.450	172.030	
172.020	464.025	

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Date 1/1/14
SUGGESTED RETAIL

XPR™ 4350
VHF & UHF MOBILES
MODELS AND OPTIONS

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MSRP
XPR™ 4350 Numeric Display with GPS					
136-174 MHz	VHF	1-25W	32	AAM27JNC9LA1_N	$635.00
136-174 MHz	VHF	25-45W	32	AAM27JQC9LA1_N	$705.00
403-470 MHz	UHF	1-25W	32	AAM27QNC9LA1_N	$685.00
403-470 MHz	UHF	25-40W	32	AAM27QPC9LA1_N	$755.00
450-512 MHz	UHF	1-40W	32	AAM27TRC9LA1_N	$755.00

FCC INFORMATION: UHF 25W: ABZ99FT4081 / UHF 40W: ABZ99FT4080, VHF 25W: ABZ99FT3083 / VHF 45W: ABZ99FT3082, UHF2: ABZ99FT4083

Options: TO COMPLETE AN ORDER YOU MUST CHOOSE ONE (1) OPTION FROM EACH STEP BELOW

STEP 1:

Microphone Choices:

STDMIC0563	Standard Compact Microphone (RMN5052)	N/C
GA00036	Heavy Duty Microphone (RMN5053)	$30.00
B71	Omit Microphone	-$10.00

STEP 2:

Bracket Choices:

STDBRKT0563	Standard Mounting Bracket (Low Profile - RLN6076)	N/C
B65	Omit Standard Mounting Bracket	-$4.00

STEP 3:

Cable Choices: *

STDCBL0563	Standard Power Cable (HKN4191)	N/C
B161	Omit Standard Power Cable	-$8.00

* The Ignition Switch Cable (RKN4136) is required for installations using ignition sense.

STEP 4:

Shipping Box Choices:

STDPKG0563	Standard MOTOTRBO Model Box	N/C

STEP 5:

The XPR Series mobiles ship with a Standard 2-year parts and labor warranty. Additionally, they ship standard with a 1- year Service from the Start (SfS LITE) option for 3 years of total coverage. The 1- year of SFS -LITE coverage can be omitted by selecting the GA00164 option, which would provide only 2 years of standard warranty coverage. Additional SfS -LITE options are also available in the General Options section. Local Services are not included, contact your Customer Support Manager to put units on a Local Support Contract.

Service from the Start Choices:

STDRSA0563	Standard 2 Year Warranty + 1 Year Service from the Start -LITE (3 years of Coverage)	N/C
GA00164	Omit 1 Year Service from the Start -LITE (Omitting this option would provide 2 years of Standard Warranty)	-$11.00
GA00249	Service from the Start Comprehensive Provides 3 years of hardware repair coverage and chemical, liquid, and other physical damage on your Motorola portable and mobile subscriber radios. Comprehensive coverage starts from the first day the radio is put into use. Repairs will be made only at the designated Motorola repair depot. Local charges are not included. Motorola will pay inbound shipping charges only with use of the Motorola designated deliver service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option. ***This SfS Comprehensive option is provided at an $11 discount to override the existing 1-year SfS -LITE that is already tied to the radio.***	$184.00

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Date 1/1/14
SUGGESTED RETAIL

XPR™ 4350
VHF & UHF MOBILES
OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP

MOTOTRBO Connect Plus Trunking Operation:

MOTOTRBO Connect Plus is the next generation professional digital trunking communications solution that provides enhanced performance, productivity and value for two-way radio users. Please refer to the XRC 9000 Controller section (under Fixed Equipment) for more information on how to order Connect Plus trunking systems.

QA00588 — Connect Plus Trunking Operation — $25.00
Includes MOTOTRBO Expansion Card (option QA01638) loaded with the Connect Plus firmware application. The discount included in the pricing of this option ($25 List) is to be applied towards the purchase of the Connect Plus license (HKLN4457A). License HKLN4457A is required to Register and Activate the Connect Plus functionality in the radio and must be purchased separately from the QA00588 option (see details below).

HKLN4457 — Connect Plus Trunking License — $25.00
An Entitlement ID (EID) will be delivered via e-mail to the address specified during order placement. Register and Activate the Connect Plus license in the MOTOTRBO Connect Plus capable radios using MOTOTRBO CPS (version 5.6 or higher). Registration requires an internet connection. Multiple licenses can be ordered under the same line item.

Notes:

1. Option QA00588 applicable only to MOTOTRBO digital capable models.
2. Option QA00588 requires MOTOTRBO CPS version 5.6 or higher.
3. Option QA00588 requires MOTOTRBO Option Board CPS (available in MOL Resource Center at no cost).
4. Connect Plus Trunking Operation requires:
   a. MOTOTRBO digital firmware release 1.06.30 or higher (included with factory option QA00588)
   b. MOTOTRBO expansion card (included with factory option QA00588)
   c. Connect Plus software (included with factory option QA00588)
   d. Connect Plus software license (order HKLN4457 separately)
5. Please refer to the Fixed Equipment section for Connect Plus Trunking system information.
6. Please refer to the Connect Plus System Planner and your Motorola ACES team representative for pre-sale support and system design considerations

General Options:

QA01227 — Mobile User Guide CD Kit (HKLN4284) Includes User Guides in English and French Canadian — N/C

QA01638 — ADD: MOTOTRBO Expansion Card - Factory Installed (PMLN5496) — $50.00
* Option installs a blank expansion board inside the VHF and UHF MOTOTRBO radios
* Required for future migration to Connect Plus multi-site trunking (Q3 2010)
* This card can host 3rd party developed software applications. Contact your seleted 3rd party vendor for compatibility verification!

The XPR Series mobiles ship with a standard 2-year parts and labor warranty. Additionally, they ship standard with a 1-year Service from the Start -LITE (SfS LITE) option (formerly known as the Repair Service Advantage). If you desire additional years of SfS -LITE, you may choose one of the following three options. Please note that these plans are in addition to the 2-year standard warranty and 1 year SfS-LITE that ships standard with the unit. For example, if you order the G24, you will receive: 2 year standard warranty + 1 year SfS -LITE, PLUS 2 additional years of SfS-LITE for a total coverage of 5 years.

G400 — ADD: 1-Year Service from the Start - LITE — $38.00
Provides for 1 year of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS-LITE that ships standard with the unit for a total coverage period of 4 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.

G24 — ADD: 2-Year Service from the Start - LITE — $73.00
Provides for 2 years of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS-LITE that ships standard with the unit for a total coverage period of 5 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.

G398 — ADD: 3 -Year Service from the Start - LITE — $108.00
Provides for 3 years of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS-LITE that ships standard with the unit for a total coverage period of 6 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.

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Date 1/1/14
SUGGESTED RETAIL

XPR™ 4350
VHF & UHF MOBILES
OPTIONS

Premium Software Feature:

HKLN4429	Analog to Digital Software Upgrade (for use with Analog only radios)	$116.67

Note: Use this part number to purchase Entitlement ID's (EID) to Register and Activate the Digital features in Analog only radios. You will receive the EID via an e-mail. Register the Serial Numbers of the units, which will be upgraded, and Activate the features via the RVN5115 MOTOTRBO CPS. Internet connection is required during the registration, but the activation can be done offline.

MOTOTRBO Software Licenses are NOT transferable from one device to another. Once a software feature has been Registered and Activated in a radio, it can NOT be transferred to another radio. If a radio unit is sent for repairs to a Motorola repair service depot, and the unit is readable with CPS, it will be returned back with the same features enabled, as it had originally. If the radio cannot be read with CPS, it will be returned from repairs with only factory default settings, since the depot cannot verify the features, which were originally enabled. In this case, a call to Technical Support 800-927-2744 will be required to request a replacement license.

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Date 1/1/14
SUGGESTED RETAIL

XPR™ 4550
VHF & UHF MOBILES
6.25e/12.5 kHz

Standard Package Includes:
- Compact Microphone (RMN5052)
- Low Profile Bracket (RLN6076)
- 10 ft Power Cable (HKN4191)
- Replaceable Button Package
- Two Year Warranty
- One Year service from the Start -LITE

Main Radio Features: [1]

Max. Number of Channels	1,000
Display	Monochrome
Keypad (via Enhanced Microphone)	Optional
Menu Navigation Buttons	✓
Side Programmable Buttons	N/A
Front Programmable Buttons	4
Channel Up / Down Rocker	✓
Control Station Operation [2]	✓

Enhanced Radio Features: [1]

GPS	✓
Remote Mount	Optional
Expansion Card	Optional
Bluetooth Audio	N/A
Third Party Applications	✓

Systems Supported: [1]

Analog Conventional	✓
Digital Conventional	✓
IP Site Connect	✓
Capacity Plus	✓
Connect Plus [3]	Optional
LTR/PassPort [4]	Optional
Linked Capacity Plus	✓

Notes:
1. Please refer to the MOTOTRBO Subscriber Matrix Section for more details on features supported on each type of system.
2. Requires external power supply (HPN4007), optional desktop tray, and optional desktop microphone.
3. Requires option QA00588 and license HKLN4457.
4. Via 3rd party application from Scholer-Johnson. Requires option QA01839.

Frequencies Not Allowed for XPR 4350:

144.000	172.025	498.825
147.450	172.030	
172.020	464.025	

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Date 1/1/14
SUGGESTED RETAIL

XPR™ 4550
VHF & UHF MOBILES
MODELS AND OPTIONS

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MSRP
XPR™ 4550 Display with GPS					
136-174 MHz	VHF	1-25W	1000	AAM27JNH9LA1_N	$805.00
136-174 MHZ	VHF	25-45W	1000	AAM27JQH9LA1_N	$870.00
403-470 MHz	UHF	1-25W	1000	AAM27QNH9LA1_N	$855.00
403-470 MHz	UHF	25-40W	1000	AAM27QPH9LA1_N	$920.00
450-512 MHz	UHF	1-40W	1000	AAM27TRH9LA1_N	$920.00

FCC INFORMATION: UHF 25W: ABZ99FT4081, UHF 40W: ABZ99FT4080, VHF 25W: ABZ99FT3083, VHF 45W: ABZ99FT3082, UHF2: ABZ99FT4083

Options: TO COMPLETE AN ORDER YOU MUST CHOOSE ONE (1) OPTION FROM EACH STEP BELOW

STEP 1:

Microphone Choices:

STDMIC0038	Standard Compact Microphone (RMN5052)	N/C
GA00037	Enhanced Keypad Microphone (RMN5065)	$70.00
GA00036	Heavy Duty Microphone (RMN5053)	$30.00
B71	Omit Microphone	-$10.00

STEP 2:

Bracket Choices:

STDBRKT0038	Standard Mounting Bracket (Low Profile - RLN6076)	N/C
B65	Omit Standard Mounting Bracket	-$4.00

STEP 3:

Cable Choices: (Optional RKN4136 Ignition Switch Cable is required for installations requiring ignition sense)

STDCBL0038	Standard Power Cable (HKN4191)	N/C
B161	Omit Standard Power Cable	-$8.00
* The Ignition Switch Cable (RKN4136) is required for installations using ignition sense.		$0.00

STEP 4:

Shipping Box Choices:

STDPKG0038	Standard Model Box	N/C

STEP 5:

The XPR Series mobiles ship with a Standard 2-year parts and labor warranty. Additionally, they ship standard with a 1- year Service from the Start -LITE (SfS) option for 3 years of total coverage. The 1- year of SfS -LITE coverage can be omitted by selecting the GA00164 option, which would provide only 2 years of standard warranty coverage. Additional SfS -LITE options are also available in the General Options section. Local Services are not included, contact your Customer Support Manager to put units on a Local Support Contract.

Service from the Start Choices:

STDRSA0038	Standard 2 Year Warranty + 1 Year Service from the Start -LITE (3 years of Coverage)	N/C
GA00164	Omit 1 Year Service from the Start -LITE (Omitting this option would provide 2 years of Standard Warranty)	-$11.00
GA00249	Service from the Start Comprehensive Provides 3 years of hardware repair coverage and chemical, liquid, and other physical damage on your Motorola portable and mobile subscriber radios. Comprehensive coverage starts from the first day the radio is put into use. Repairs will be made only at the designated Motorola repair depot. Local charges are not included. Motorola will pay inbound shipping charges only with use of the Motorola designated deliver service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option. ***This SfS Comprehensive option is provided at an $11 discount to override the existing 1-year SfS -LITE that is already tied to the radio.***	$184.00

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Date 1/1/14
SUGGESTED RETAIL

XPR™ 4550
VHF & UHF MOBILES
OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP

MOTOTRBO Connect Plus Trunking Operation:

MOTOTRBO Connect Plus is the next generation professional digital trunking communications solution that provides enhanced performance, productivity and value for two-way radio users. Please refer to the XRC 9000 Controller section (under Fixed Equipment) for more information on how to order Connect Plus trunking systems.

QA00588	Connect Plus Trunking Operation Includes MOTOTRBO Expansion Card (option QA01638) loaded with the Connect Plus firmware application. The discount included in the pricing of this option ($25 List) is to be applied towards the purchase of the Connect Plus license (HKLN4457A). License HKLN4457A is required to Register and Activate the Connect Plus functionality in the radio and must be purchased separately from the QA00588 option (see details below).	$25.00
HKLN4457	Connect Plus Trunking License An Entitlement ID (EID) will be delivered via e-mail to the address specified during order placement. Register and Activate the Connect Plus license in the MOTOTRBO Connect Plus capable radios using MOTOTRBO CPS (version 5.6 or higher). Registration requires an internet connection. Multiple licenses can be ordered under the same line item.	$25.00

Notes:

1. Option QA00588 applicable only to MOTOTRBO digital capable models.
2. Option QA00588 requires MOTOTRBO CPS version 5.6 or higher.
3. Option QA00588 requires MOTOTRBO Option Board CPS (available in MOL Resource Center at no cost).
4. Connect Plus Trunking Operation requires:
   a. MOTOTRBO digital firmware release 1.06.30 or higher (included with factory option QA00588)
   b. MOTOTRBO expansion card (included with factory option QA00588)
   c. Connect Plus software (included with factory option QA00588)
   d. Connect Plus software license (order HKLN4457 separately)
5. Please refer to the Fixed Equipment section for Connect Plus Trunking system information.
6. Please refer to the Connect Plus System Planner and your Motorola ACES team representative for pre-sale support and system design considerations

General Options:

QA01227	Mobile User Guide CD Kit (HKLN4284) Includes User Guides in English and French Canadian	N/C
QA01638	ADD: MOTOTRBO Expansion Card - Factory Installed (PMLN5496) * Option installs a blank expansion board inside the VHF and UHF MOTOTRBO radios * Required for future migration to Connect Plus multi-site trunking (Q3 2010) * This card can host 3rd party developed software applications. Contact your selected 3rd party vendor for compatibility verification!	$50.00
QA01839	LTR/PassPort Enhanced Operation - Factory Installed. Option includes installation of MOTOTRBO Expansion Card and Scholer-Johnson software application	$122.00

Notes:

1) Scholer-Johnson LTR/PassPort application now runs on the MOTOTRBO Expansion Card.
The application is compatible with both Classic and Enhanced PassPort operation.
2) Scholer-Johnson LTR/PassPort application requires winSJIppTRBO programming software.
3) MOTOTRBO XPR 4000/6000 series radios requires firmware R01.06 version or higher.
4) Field installation of Expansion Card in XPR 4000 series mobiles requires Mobile Option Board Interface Kit (HLN7001A).
5) Scholer-Johnson LTR/PassPort application is available only for Alpha Numeric Display portable and mobile models.
6) Scholer-Johnson LTR/PassPort application is compatible with FM equipped portables.
7) MDC PTT-ID for Analog/LTR mode in Scholer-Johnson application is available for XPR 4000/6000 series radios and requires MOTOTRBO firmware R1.9 version or higher.
8) Quik-Call II signaling is not currently available in Scholer-Johnson application conventional or LTR modes of operation.
9) Expansion Card draws additional current from radio battery so using a higher capacity battery may be required.
10) To purchase aftermarket Scholer-Johnson LTR/PassPort application and winSJIppTRBO programming software please contact Scholer-Johnson Inc. at 407-645-5093.
11) For Technical support on the Scholer-Johnson application please contact Scholer-Johnson Inc. at 407-645-5093.

The XPR Series mobiles ship with a standard 2-year parts and labor warranty. Additionally, they ship standard with a 1-yea rService from the Start -LITE (SfS) option (formerly known as the Repair Service Avantage). If you desire additional years of RSA, you may choose one of the following three options. Please note that these plans are in addition to the 2-year standard warranty and 1 year SfS that ships standard with the unit. For example, if you order the G24, you will receive: 2 years standard warranty + 1 year SfS -LITE, PLUS 2 additional years of SfS for a total coverage of 5 years.

G400	ADD: 1-Year Service from the Start -LITE Provides for 1 year of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS -LITE that ships standard with the unit for a total coverage period of 4 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$38.00

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SUGGESTED RETAIL

XPR™ 4550
VHF & UHF MOBILES
OPTIONS

General Options (continued):

G24	ADD: 2-Year Service from the Start -LITE Provides for 2 years of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS LITE that ships standard with the unit for a total coverage period of 5 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$73.00
G398	ADD: 3-Year Service from the Start -LITE Provides for 3 years of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS LITE that ships standard with the unit for a total coverage period of 6 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$108.00

Premium Software Feature:

HKLN4429	Analog to Digital Software Upgrade (for use with Analog only radios) Note: Use this part number to purchase Entitlement ID's (EID) to Register and Activate the Digital features in Analog only radios. You will receive the EID via an e-mail. Register the Serial Numbers of the units, which will be upgraded, and Activate the features via the RVN5115 MOTOTRBO CPS. Internet connection is required during the registration, but the activation can be done offline. MOTOTRBO Software Licenses are NOT transferable from one device to another. Once a software feature has been Registered and Activated in a radio, it can NOT be transferred to another radio. If a radio unit is sent for repairs to a Motorola repair service depot, and the unit is readable with CPS, it will be returned back with the same features enabled, as it had originally. If the radio cannot be read with CPS, it will be returned from repairs with only factory default settings, since the depot cannot verify the features, which were originally enabled. In this case, a call to Technical Support 800-927-2744 will be required to request a replacement license.	$116.67

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Date 1/1/14

SUGGESTED RETAIL

XPR™ 4380 / XPR™ 4580

SMARTNET® / PRIVACY PLUS™ MOBILES

800/900 MHz, 12.5/25 kHz

Standard Package Includes:

- Compact Microphone (RMN5052)
- Low Profile Bracket (RLN6076)
- 10 ft Power Cable (HKN4191)
- Replaceable Button Package
- Integrated Expansion Card
- Two Year Warranty
- One Year Service from the Start -LITE

XPR™4380

XPR™4580

Main Radio Features: [1]	XPR™ 4380	XPR™ 4580
Max. Number of Channels	32	1,000
Display	Monochrome	Monochrome
Keypad (via Enhanced Microphone)	Optional	Optional
Menu Navigation Buttons	N/A	✓
Side Programmable Buttons	N/A	N/A
Front Programmable Buttons	2	4
Channel Up / Down Rocker	✓	✓
Control Station Operation [2]	✓	✓

Enhanced Radio Features: [1]	XPR™ 4380	XPR™ 4580
GPS	N/A [5]	N/A [5]
Remote Mount	Optional	Optional
Expansion Card	Included	Included
Bluetooth Audio	N/A	N/A
Third Party Applications	✓	✓

Systems Supported: [1]	XPR™ 4380	XPR™ 4580
Analog Conventional	✓	✓
SMARTNET/Privacy Plus	✓	✓
Digital Conventional	N/A [5]	N/A [5]
IP Site Connect	N/A [5]	N/A [5]
Capacity Plus	N/A [5]	N/A [5]
Connect Plus [3]	N/A [5]	N/A [5]
LTR/PassPort [4]	N/A	N/A [5]
Linked Capacity Plus	N/A	N/A [5]

Notes:

1. Please refer to the MOTOTRBO Subscriber Matrix Section for more details on features supported on each type of system.
2. Requires external power supply (HPN4007), optional desktop tray, and optional desktop microphone.
3. Requires option QA00588 and license HKLN4457.
4. Via 3rd party application from Scholer-Johnson. Requires option QA01839.
5. Supported when radio is converted to Digital mode (HKLN4429)

Radios do not support 806-809 or 821-824 MHz (NPSPAC) trunked channels.
Radios support the 800 MHz NPSPAC Mutual Aid Conventional Channels.
(806.0125 / 806.5125 / 807.0125 / 807.5125 / 808.0125 / 821.0125 / 821.5125 / 822.0125 / 822.5125 / 823.0125)

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SUGGESTED RETAIL

XPR™ 4380 / XPR™ 4580

SMARTNET® / PRIVACY PLUS™ MOBILES

MODELS & OPTIONS

BAND SPLIT	BAND	PWR	Conv. CH or Trunked Personality	CATALOG MODEL	MSRP
XPR™ 4380 Numeric Display					
806-941 MHz	800/ 900	10-35W (800) 10-30W (900)	32	AAM27UMC9LB1_N (Numeric Display)	$805.00
XPR™ 4580 Display					
806-941 MHz	800/ 900	10-35W (800) 10-30W (900)	240	AAM27UMH9LB1_N (Display)	$970.00

FCC INFORMATION 109AB-99FT5010

Options: TO COMPLETE AN ORDER YOU MUST CHOOSE ONE (1) OPTION FROM EACH STEP BELOW

STEP 1:

System Choices:

QA01639	ALT: SMARTNET® / Privacy Plus™ Trunking NOTE: This option replaces the MOTOTRBO digital firmware with legacy trunking software for migration purposes. Digital capability may be added back in the field when ready to migrate to digital via CPS version 5.5 or later and software license HKLN4429A. See Note #3 in General Notes Section below. NOTE: For the Digital Conventional operation system software version of this radio, see QA01640 on pg 11	-$116.67

STEP 2:

Microphone Choices:

STDMIC0475	Standard Compact Microphone (RMN5052)	N/C
GA00036	Heavy Duty Microphone (RMN5053)	$30.00
GA00475	Enhanced Keypad Microphone (RMN5065)	$70.00
B71	Omit Microphone	-$10.00

STEP 3:

Bracket Choices:

STDBRKT0475	Standard Mounting Bracket (Low Profile - RLN6076)	N/C
B65	Omit Standard Mounting Bracket	-$4.00

STEP 4:

Cable Choices: *

STDCBL0475	Standard Power Cable (HKN4191)	N/C
B161	Omit Standard Power Cable	-$8.00

* The Ignition Switch Cable (RKN4136) is required for installations using ignition sense.

STEP 5:

The XPR Series mobiles ship with a Standard 2-year parts and labor warranty. Additionally, they ship standard with a 1- year Service from the Start -LITE (SfS) of total coverage. The 1- year of SfS-LITE coverage can be omitted by selecting the GA00164 option, which would provide only 2 years of standard warranty coverage. Additional SfS-LITE options are also available in the General Options section. Local Services are not included, contact your Customer Support Manager to put units on a Local Support Contract.

Service from the Start Choices:

STDRSA0475	Standard 2 Year Warranty + 1 Year Service from the Start -LITE (3 years of Coverage)	N/C
GA00164	Omit 1 Year Service from the Start -LITE (Omitting this option would provide 2 years of Standard Warranty)	-$11.00
GA00249	Service from the Start Comprehensive Provides 3 years of hardware repair coverage and chemical, liquid,and other physical damage on your Motorola portable and mobile subscriber radios. Comprehensive coverage starts from the first day the radio is put into use. Repairs will be made only at the designated Motorola repair depot. Local charges are not included. Motorola will pay inbound shipping charges only with use of the Motorola designated deliver service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option. ***This SFS Comprehensive option is provided at an $11 discount to override the existing 1-year SfS -LITE that is already tied to the radio.***	$184.00

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SUGGESTED RETAIL

XPR™ 4380 / XPR™ 4580
SMARTNET® / PRIVACY PLUS™ MOBILES
OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP
General Options:		
QA01424	Mobile User Guide CD Kit for SMARTNET® / Privacy Plus™ (HKLN4410) in English and French Canadian	N/C

The XPR Series portables ship with a standard 2-year parts and labor warranty. Additionally, they ship standard with a 1-year Service from the Start -LITE (SfS) option (formerly known as the Repair Service Advantage). If you desire additional years of SfS-LITE, you may choose one of the following three options. Please note that these plans are in addition to the 2-year standard warranty and 1 year SfS-LITE that ships standard with the unit. For example, if you order the G24, you will receive: 2 years standard warranty + 1 year SfS-LITE, PLUS 2 additional years of SfS_LITE for a total coverage of 5 years.

G400	ADD: 1-Year Service from the Start - LITE Provides for 1 year of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS-LITE that ships standard with the unit for a total coverage period of 4 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$38.00
G24	ADD: 2-Year Service from the Start - LITE Provides for 2 years of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS-LITE that ships standard with the unit for a total coverage period of 5 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$73.00
G398	ADD: 3-Year Service from the Start - LITE Provides for 3 years of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS-LITE that ships standard with the unit for a total coverage period of 6 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$108.00
Premium Software Features:		
HKLN4429	Analog to Digital Software Upgrade (for use with Analog only and 800/900MHz radios after Digital firmware conversion) Notes: Use this part number to purchase Entitlement ID's (EID) to Register and Activate the Digital features in Analog only and 800/900MHZ radios after Digital firmware conversion. You will receive the EID via an e-mail. Register the Serial Numbers of the units, which will be upgraded, and Activate the features via the RVN5115 MOTOTRBO CPS. MOTOTRBO Software Licenses are NOT transferable from one device to another. Once a software feature has been Registered and Activated in a radio, it can NOT be transferred to another radio. If a radio unit is sent for repairs to a Motorola repair service depot, and the unit is readable with CPS, it will be returned back with the same features enabled, as it had originally. If the radio cannot be read with CPS, it will be returned from repairs with only factory default settings, since the depot cannot verify the features, which were originally enabled. In this case, a call to Technical Support 800-927-2744 will be required to request a replacement license.	$116.67

General Notes:

1) XPR 4580 / XPR 4380 mobiles are upgradeable to MOTOTRBO digital trunking via a software flash - no additional hardware required.

2) SMARTNET/Privacy Plus Operation and Digital Operation not supported simultaneously.

3) To Convert a Smartnet radio to Digital firmware, use CPS version 5.5 or latter, and the Device Conversion Packages 3600 Baud Trunking to MOTOTRBO Digital Firmware from MOL. After the Conversion, the radios will DEFAULT TO ANALOG ONLY features.

To Enable the Digital features - purchase the Analog to Digital Upgrade licenses HKLN4429A at quantity equal to the number of radios that will be Converted. It's recommended to purchase the licenses before beginning the conversion, to avoid down time. It usually takes up to 24 hours, between the time when the Software license order is placed and the e-mail with license Entitlement ID, is received.

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SUGGESTED RETAIL

XPR™ 4380 / XPR™ 4580
800/900 MHz DIGITAL MOBILES
6.25e/12.5/25 kHz

Standard Package Includes:
- Compact Microphone (RMN5052)
- Low Profile Bracket (RLN6076)
- 10 ft Power Cable (HKN4191)
- Replaceable Button Package
- Integrated Expansion Card
- Two Year Warranty
- One Year Service from the Start -LITE

XPR™ 4380

XPR™4580

Main Radio Features: [1]	XPR™ 4380	XPR™ 4580
Max. Number of Channels	32	1,000
Display	Monochrome	Monochrome
Keypad (via Enhanced Microphone)	Optional	Optional
Menu Navigation Buttons	N/A	✓
Side Programmable Buttons	N/A	N/A
Front Programmable Buttons	2	4
Channel Up / Down Rocker	✓	✓
Control Station Operation [2]	✓	✓

Enhanced Radio Features: [1]	XPR™ 4380	XPR™ 4580
GPS	✓	✓
Remote Mount	Optional	Optional
Expansion Card	Included	Included
Bluetooth Audio	N/A	N/A
Third Party Applications	✓	✓

Systems Supported: [1]	XPR™ 4380	XPR™ 4580
Analog Conventional	✓	✓
Digital Conventional	✓	✓
IP Site Connect [3]	✓	✓
Capacity Plus	✓	✓
Connect Plus [4]	Optional	Optional
LTR/PassPort	N/A	Optional
Linked Capacity Plus	✓	✓

Notes:
1. Please refer to the MOTOTRBO Subscriber Matrix Section for more details on features supported on each type of system.
2. Requires external power supply (HPN4007), optional desktop tray, and optional desktop microphone.
3. The channel number that appears on the XPR 4380 numeric display will change as the radio roams from site to site on an IP Site Connect system. If this is inconvenient to the end user, please use the XPR 4580 mobile which allows for channel name aliasing.
4. Requires option QA00588 and License HKLN4457.

Radios do not support 806-809 or 821-824 MHz (NPSPAC) trunked channels.
Radios support the 800 MHz NPSPAC Mutual Aid Conventional Channels.
(806.0125 / 806.5125 / 807.0125 / 807.5125 / 808.0125 / 821.0125 / 821.5125 / 822.0125 / 822.5125 / 823.0125)

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SUGGESTED RETAIL

XPR™ 4380 / XPR™ 4580
800/900 MHz DIGITAL MOBILES
MODELS & OPTIONS

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MSRP
XPR™ 4380 Numeric Display with GPS					
806 - 941 MHz	800/ 900	10-35W (800) 10-30W (900)	32	AAM27UMC9LB1_N (Numeric Display with GPS)	$805.00
XPR™ 4580 Display with GPS					
806 - 941 MHz	800/ 900	10-35W (800) 10-30W (900)	1000	AAM27UMH9LB1_N (Display with GPS)	$970.00

FCC INFORMATION: ABZ-99FT5010

Options: TO COMPLETE AN ORDER YOU MUST CHOOSE ONE (1) OPTION FROM EACH STEP BELOW

STEP 1:

System Choices:

QA01640	ALT: Digital Conventional Operation For the SMARTNET® / Privacy Plus™ system option, refer to option QA01639 in the XPR 4380 / XPR 4580 SMARTNET® / Privacy Plus™ mobiles page.	N/C
QA01839	LTR/PassPort Enhanced Operation - Factory Installed. Option includes installation of Scholer-Johnson software application. MOTOTRBO Expansion card is standard on 800/900 MHz models. The radio ships with DIGITAL mode of operation (QA01640) when ordering this option.	$72.00

Notes:

1) Scholer-Johnson LTR/PassPort application now runs on the MOTOTRBO Expansion Card. The application is compatible with both Classic and Enhanced PassPort operation.
2) Scholer-Johnson LTR/PassPort application requires winSJIppTRBO programming software.
3) MOTOTRBO XPR 4000/6000 series radios requires firmware R01.06 version or higher.
4) Field installation of Expansion Card in XPR 4000 series mobiles requires Mobile Option Board Interface Kit (HLN7001A).
5) Scholer-Johnson LTR/PassPort application is available only for Alpha Numeric Display portable and mobile models.
6) Scholer-Johnson LTR/PassPort application is compatible with FM equipped portables.
7) MDC PTT-ID for Analog/LTR mode in Scholer-Johnson application is available for XPR 4000/6000 series radios and requires MOTOTRBO firmware R1.9 version or higher.
8) Quik-Call II signaling is not currently available in Scholer-Johnson application conventional or LTR modes of operation.
9) Expansion Card draws additional current from radio battery so using a higher capacity battery may be required.
10) To purchase aftermarket Scholer-Johnson LTR/PassPort application and winSJIppTRBO programming software please contact Scholer-Johnson Inc. at 407-645-5093.
11) For Technical support on the Scholer-Johnson application please contact Scholer-Johnson Inc. at 407-645-5093.
12) Scholer-Johnson LTR/PassPort application is not available with SMARTNET/Privacy Plus radio software option.

STEP 2:

Microphone Choices:

GA00475	Enhanced Keypad Microphone (RMN5065)	$70.00
GA00036	Heavy Duty Microphone (RMN5053)	$30.00
B71	Omit Microphone	-$10.00

STEP 3:

Bracket Choices:

STDBKT0475	Standard Mounting Bracket (Low Profile - RLN6076)	N/C
B65	Omit Standard Mounting Bracket	-$4.00

STEP 4:

Cable Choices: (Optional RKN4136 Ignition Switch Cable is required for installations requiring ignition sense)

STDCBL0475	Standard Power Cable (HKN4191)	N/C
B161	Omit Standard Power Cable	-$8.00

STEP 5:

The XPR Series mobiles ship with a Standard 2-year parts and labor warranty. Additionally, they ship standard with a 1- year Service from the Start -LITE (SfS) option for 3 years of total coverage. The 1- year of SfS-LITE coverage can be omitted by selecting the GA00164 option, which would provide only 2 years of standard warranty coverage. Additional SfS-LITE options are also available in the General Options section. Local Services are not included, contact your Customer Support Manager to put units on a Local Support Contract.

Service from the Start Choices:

STDRSA0475	Standard 2 Year Warranty + 1 Year Service from the Start -LITE (3 years of Coverage)	N/C
GA00164	Omit 1 Year Service from the Start -LITE(Omitting this option would provide 2 years of Standard Warranty)	-$11.00

XPR™ 4380 / XPR™ 4580
800/900 MHz DIGITAL MOBILES
OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP

Service from the Start Choices (continued):

GA00249 — Service from the Start-LITE Comprehensive — $184.00

Provides 3 years of hardware repair coverage and chemical, liquid, and other physical damage on your Motorola portable and mobile subscriber radios. Comprehensive coverage starts from the first day the radio is put into use. Repairs will be made only at the designated Motorola repair depot. Local charges are not included. Motorola will pay inbound shipping charges only with use of the Motorola designated deliver service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option. ***This SfS Comprehensive option is provided at an $11 discount to override the existing 1-year SfS-LITE that is already tied to the radio.***

MOTOTRBO Connect Plus Trunking Operation:

MOTOTRBO Connect Plus is the next generation professional digital trunking communications solution that provides enhanced performance, productivity and value for two-way radio users. Please refer to the XRC 9000 Controller section (under Fixed Equipment) for more information on how to order Connect Plus trunking systems.

QA00588 — Connect Plus Trunking Operation — -$25.00

Includes factory loading of the Connect Plus firmware application. The discount included in the pricing of this option is to be applied towards the purchase of the Connect Plus license (HKLN4457A). The MOTOTRBO Expansion Card is already included standard in 800/900MHz units. License HKLN4457A is required to Register and Activate the Connect Plus functionality in the radio and must be purchased separately from the QA00588 option (see details below).

HKLN4457 — Connect Plus Trunking License — $25.00

An Entitlement ID (EID) will be delivered via e-mail to the address specified during order placement. Register and Activate the Connect Plus license in the MOTOTRBO Connect Plus capable radios using MOTOTRBO CPS (version 5.6 or higher). Registration requires an internet connection. Multiple licenses can be ordered under the same line item.

Notes:

1. Option QA00588 applicable only to MOTOTRBO digital capable models.
2. Option QA00588 requires MOTOTRBO CPS version 5.6 or higher.
3. Option QA00588 requires MOTOTRBO Option Board CPS (available in MOL Resource Center at no cost).
4. Connect Plus Trunking Operation requires:
   a. MOTOTRBO digital firmware release 1.06.30 or higher (included with factory option QA00588)
   b. MOTOTRBO expansion card (included in 800/900MHz units)
   c. Connect Plus software (included with factory option QA00588)
   d. Connect Plus software license (order HKLN4457 separately)
5. Please refer to the Fixed Equipment section for Connect Plus Trunking system information.
6. Please refer to the Connect Plus System Planner and your Motorola ACES team representative for pre-sale support and system design considerations

General Options:

QA01227 — Mobile User Guide CD Kit (HKLN4284) Includes User Guides in English and French Canadian — N/C

Q663 — LTR/Passport Classic Software - Factory Installed

QA01105 — LTR/Passport Enhanced Software - Factory Installed

Notes:

1) LTR/Passport option boards and software requires winSJIppTRBO programming software.
2) MOTOTRBO radios require firmware R01.06.00 version or higher for LTR/Passport software operation.
3) To purchase aftermarket LTR/Passport option boards and winSJIppTRBO programming software please contact Scholer-Johnson Inc. at 407-645-5093.
4) For Technical support on the LTR/Passport option board and software, please contact Scholer-Johnson Inc. at 407-645-5093.
5) LTR/Passport software available only for Alpha Numeric Display portable and mobile models.
6) MDC signaling not currently available in option board conventional or LTR modes of operation.
7) Quik-Call II signaling not currently available in option board conventional or LTR modes of operation.
8) Trident TrAVL operation using LTR/Passport option board requires external GPS antenna/receiver kit - model # RRDN7586A.
9) Trident TrAVL operation using expansion card, requires LTR/Passport firmware version R1.03 or higher and winSJIppTRBO version R1.03 or higher.
10) Radio Expansion cards draw additional current from radio battery so using a higher capacity battery may be required.

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SUGGESTED RETAIL

XPR™ 4380 / XPR™ 4580
800/900 MHz DIGITAL MOBILES
OPTIONS

General Options (continued):

The XPR Series mobiles ship with a standard 2-year parts and labor warranty. Additionally, they ship standard with a 1-year Service from the Start -LITE (SfS) (formerly known as option the Repair Service Advantage). If you desire additional years of SfS-LITE, you may choose one of the following three options. Please note that these plans are in addition to the 2-year standard warranty and 1 year SfS-LITE that ships standard with the unit. For example, if you order the G24, you will receive: 2 year standard warranty + 1 year SfS-LITE, PLUS 2 additional years of SfS-LITE for a total coverage of 5 years.

G400	Provides for 1 year of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS-LITE that ships standard with the unit for a total coverage period of 4 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$38.00
G24	Provides for 2 years of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS -LITE that ships standard with the unit for a total coverage period of 5 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$73.00
G398	Provides for 3 years of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS -LITE that ships standard with the unit for a total coverage period of 6 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$108.00

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SUGGESTED RETAIL

XPR™ 5350 & XPR™ 5380
VHF, UHF & 800/900MHz MOBILES
6.25e/12.5 kHz

Standard Package Includes:
- Compact Microphone (RMN5052)
- Low Profile Bracket (RLN6469A)
- 10 ft Power Cable (HKN4191)
- Safety Manual with Quick Reference Guides
- Two Year Warranty
- One Year Service from the Start -LITE
  (formerly known as Repair Service Advantage)

Main Radio Features: [1]

Max. Number of Channels	32
Display	Monochrome
Keypad (via Enhanced Microphone)	Optional
Menu Navigation Buttons	✓
Side Programmable Buttons	N/A
Soft Front Programmable Buttons	4
Dual Purpose Volume / Channel Selector Knob	✓
Control Station Operation [2]	✓

Enhanced Radio Features: [1]

GPS	✓
Remote Mount	Optional
Expansion Card	✓
Bluetooth Audio and Data	✓
Data Service via Bluetooth [4]	Optional
Third Party Applications	✓

Systems Supported: [1]

Analog Conventional	✓
Digital Conventional	✓
IP Site Connect	✓
Capacity Plus	✓
Connect Plus [3]	Optional
LTR/PassPort	N/A
Linked Capacity Plus	✓

Notes:
1. Please refer to the MOTOTRBO Subscriber Matrix Section for more details on features supported on each type of system.
2. Requires external power supply (HPN4007), optional desktop tray, and optional desktop microphone.
3. Requires option QA00588 and license HKLN4457
4. Requires software license HKVN4249 to send data from Bluetooth enabled device via the radio system
5. The XPR 5000 series requires the PMKN4010 Programming Cable or PMKN4016 Programming and Test/Aligning Cable.

Please note, the channel number that appears on the display of the XPR 5350/5380 will change as the radio roams from one site to another in an IP Site Connect system. If this will cause inconvenience to the end user, please use the XPR 5550/5580, which allows for channel name aliasing.

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SUGGESTED RETAIL

XPR™ 5350 & XPR™ 5380
VHF, UHF & 800/900MHz MOBILES
OPTIONS

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MSRP
XPR™ 5350 Numeric Display with Bluetooth, GPS, and Expansion Card					
136-174 MHz	VHF	1-25W	32	AAM28JNC9KA1_N	$715.00
136-174 MHz	VHF	25-45W	32	AAM28JQC9KA1_N	$782.00
403-470 MHz	UHF	1-25W	32	AAM28QNC9KA1_N	$765.00
403-470 MHz	UHF	25-40W	32	AAM28QPC9KA1_N	$832.00
450-512 MHz	UHF	1-40W	32	AAM28TRC9KA1_N	$832.00
806-941 MHz	800/ 900	10-35W (800) 10-30W (900)	32	AAM28UMC9KA1_N	$832.00

FCC INFORMATION: VHF 25W ABZ99FT3086; VHF 45W ABZ99FT3087. UHF 25W: ABZ99FT4087; UHF 40W: ABZ99FT4088; UHF2: ABZ99FT4085; 800/900MHz: AZ492FT5862

Options: TO COMPLETE AN ORDER YOU MUST CHOOSE ONE (1) OPTION FROM EACH STEP BELOW

STEP 1:

Microphone Choices:

STDMIC0511	Standard Compact Microphone for VHF & UHF (RMN5052)	N/C
STDMIC0203	Standard Compact Microphone for 800/900MHz (RMN5052)	N/C
GA00036	Heavy Duty Microphone (RMN5053)	$31.50
QA02406	Impres 4-way Navigation Keypad Mic (RMN5127)	$120.00
B71	Omit Microphone	-$10.00

STEP 2:

Bracket Choices:

STDBKT0511	Standard Mounting Bracket for VHF & UHF (Low Profile - RLN6469)	N/C
STDBKT0203	Standard Mounting Bracket for 800/900MHz (Low Profile - RLN6469)	N/C
B65	Omit Standard Mounting Bracket	-$4.00

STEP 3:

Cable Choices: (Optional RKN4136 Ignition Switch Cable is required for installations requiring ignition sense)

STDCBL0511	Standard Power Cable for VHF & UHF (HKN4191)	N/C
STDCBL0203	Standard Power Cable for 800/900MHz (HKN4191)	N/C
B161	Omit Standard Power Cable	-$8.00

STEP 4:

Shipping Box Choices:

STDBLK0511	Standard Model Box for VHF & UHF	N/C
STDBLK0203	Standard Model Box for 800/900MHz	N/C
B842	Bulk Packing (minimum 2 Radios per box)	N/C

STEP 5:

The XPR Series mobiles ship with a Standard 2-year parts and labor warranty. Additionally, they ship standard with a 1- year Service from the Start (SfS) option for 3 years of total coverage. The 1- year of SfS-LITE coverage can be omitted by selecting the GA00164 option, which would provide only 2 years of standard warranty coverage. Additional SfS-LITE options are also available in the General Options section. Local Services are not included, contact your Customer Support Manager to place units on a Local Support Contract.

Service from the Start Choices:

STDRSA0511	Standard 2 Year Warranty + 1 Year Service from the Start -LITE (3 years of coverage) for VHF & UHF	N/C
STDRSA0203	Standard 2 Year Warranty + 1 Year Service from the Start -LITE (3 years of coverage) for 800/900MHz	N/C
GA00164	Omit 1 Year Service from the Start -LITE (Omitting this option would provide 2 years of standard warranty)	-$11.00

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SUGGESTED RETAIL

XPR™ 5350 & XPR™ 5380
VHF, UHF & 800/900MHz MOBILES
OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP
MOTOTRBO Connect Plus Trunking Operation:		
	MOTOTRBO Connect Plus is the next generation professional digital trunking communications solution that provides enhanced performance, productivity and value for two way radio users. Please refer to the XRC 9000 Controller section (under Fixed Equipment) for more information on how to order Connect Plus trunking systems.	
QA00588	Connect Plus Trunking Operation Includes factory loading of the Connect Plus firmware application. The discount included in the pricing of this option ($25 List) is to be applied towards the purchase of the Connect Plus license (HKLN4457A). License HKLN4457A is required to Register and Activate the Connect Plus functionality in the radio and must be purchased separately from the QA00588 option (see details below).	-$25.00
HKLN4457	Connect Plus Trunking License An Entitlement ID (EID) will be delivered via e mail to the address specified during order placement. Register and Activate the Connect Plus license in the MOTOTRBO Connect Plus capable radios using MOTOTRBO CPS (version 10.0 or higher). Registration requires an internet connection. Multiple licenses can be ordered under the same line item.	$25.00

Notes:
1. Option QA00588 applicable only to MOTOTRBO digital capable models.
2. Option QA00588 requires MOTOTRBO CPS version 10.0 or higher.
3. Option QA00588 requires MOTOTRBO Option Board CPS (available in MOL Resource Center at no cost).
4. Connect Plus Trunking Operation requires:
    a. MOTOTRBO digital firmware release R02.30.00 or higher (included with factory option QA00588)
    b. MOTOTRBO expansion card (included with factory option QA00588)
    c. Connect Plus software (included with factory option QA00588)
    d. Connect Plus software license (must order HKLN4457 separately)
5. Please refer to the Fixed Equipment section for Connect Plus Trunking system information.
6. Please refer to the Connect Plus System Planner and your Motorola ACES team representative for pre sale support and system design considerations

General Options:

The XPR Series mobiles ship with a standard 2-year parts and labor warranty. Additionally, they ship standard with a 1-year Service from the Start -LITE (SfS) option (formerly known as the Repair Service Advantage). If you desire additional years of SfS, you may choose one of the following three options. Please note that these plans are in addition to the 2-year standard warranty and 1 year SfS that ships standard with the unit. For example, if you order the G24, you will receive: 2 years standard warranty + 1 year SfS-LITE, PLUS 2 additional years of SfS-LITE for a total coverage of 5 years.

G400	ADD: 1-Year Service from the Start - LITE Provides for 1 year of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS-LITE that ships standard with the unit for a total coverage period of 4 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$38.00
G24	ADD: 2-Year Service from the Start - LITE Provides for 2 years of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS-LITE that ships standard with the unit for a total coverage period of 5 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$73.00
G398	ADD: 3-Year Service from the Start - LITE Provides for 3 years of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS-LITE that ships standard with the unit for a total coverage period of 6 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$108.00
GA00249	AAD: Service from the Start Comprehensive Provides 3 years of hardware repair coverage and chemical, liquid, and other physical damage on your Motorola portable and mobile subscriber radios. Comprehensive coverage starts from the first day the radio is put into use. Repairs will be made only at the designated Motorola repair depot. Local charges are not included. Motorola will pay inbound shipping charges only with use of the Motorola designated deliver service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option. ***This SfS Comprehensive option is provided at an $11 discount to override the existing 1-year SfS-LITE that is already tied to the radio.***	$184.00

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SUGGESTED RETAIL

XPR™ 5350 & XPR™ 5380
VHF, UHF & 800/900MHz MOBILES
OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP
Premium Software Feature:		
	For more information, please refer to the Software License section.	
HKVN4249	MOTOTRBO Permanent Discoverable & Data Transfer Services via Bluetooth	$50.00

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SUGGESTED RETAIL

XPR™ 5550 & XPR™ 5580
VHF, UHF & 800/900MHz MOBILES
6.25e/12.5 kHz

Standard Package Includes:
- Compact Microphone (RMN5052)
- Low Profile Bracket (RLN6469A)
- 10 ft Power Cable (HKN4191)
- Radio Operation Quick Refernce Cards and Safety Manual with Quick Reference Guides
- Two Year Warranty
- One Year Service from the Start -LITE

Main Radio Features: [1]

Max. Number of Channels	1,000
Display	5 Line Color
Keypad (via Enhanced Microphone)	Optional
Menu Navigation Buttons	✓
Side Programmable Buttons	N/A
Soft Front Programmable Buttons	4
Dual Purpose Volume / Channel Selector Knob	✓
Control Station Operation [2]	✓

Enhanced Radio Features: [1]

GPS	✓
Remote Mount	Optional
Expansion Card	✓
Bluetooth Audio and Data	✓
Data Service via Bluetooth [4]	Optional
Third Party Applications	✓

Systems Supported: [1]

Analog Conventional	✓
Digital Conventional	✓
IP Site Connect	✓
Capacity Plus	✓
Connect Plus [3]	Optional
LTR/PassPort [5]	Optional
Linked Capacity Plus	✓

Notes:
1. Please refer to the MOTOTRBO Subscriber Matrix Section for more details on features supported on each type of system.
2. Requires external power supply (HPN4007), optional desktop tray, and optional desktop microphone.
3. Requires option QA00588 and license HKLN4457
4. Requires software license HKVN4249 to send data from Bluetooth enabled device via the radio system
5. Via 3rd Party Application from Scholer-Johnson. Requires option QA01839
6. The XPR 5000 series requires the PMKN4010 Programming Cable or PMKN4016 Programming and Test/Aligning Cable.

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SUGGESTED RETAIL

XPR™ 5550 & XPR™ 5580
VHF, UHF & 800/900MHz MOBILES
OPTIONS

XPR™ 5550 Color Display with Bluetooth, GPS, and Expansion Card

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MSRP
136-174 MHz	VHF	1-25W	1000	AAM28JNN9KA1_N	$882.00
136-174 MHz	VHF	25-45W	1000	AAM28JQN9KA1_N	$948.00
403-470 MHz	UHF	1-25W	1000	AAM28QNN9KA1_N	$932.00
403-470 MHz	UHF	25-40W	1000	AAM28QPN9KA1_N	$998.00
450-512 MHz	UHF	1-40W	1000	AAM28TRN9KA1_N	$998.00
806-941 MHz	800/ 900	10-35W (800) 10-30W (900)	1000	AAM28UMN9KA1_N	$998.00

FCC INFORMATION: VHF 25W ABZ99FT3086; VHF 45W ABZ99FT3087. UHF 25W: ABZ99FT4087; UHF 40W: ABZ99FT4088; UHF2: ABZ99FT4085; 800/900MHz: AZ492FT5862.

Options: TO COMPLETE AN ORDER YOU MUST CHOOSE ONE (1) OPTION FROM EACH STEP BELOW

STEP 1:

Microphone Choices:

STDMIC0511	Standard Compact Microphone for VHF & UHF (RMN5052)	N/C
STDMIC0203	Standard Compact Microphone for 800/900MHz (RMN5052)	N/C
GA00036	Heavy Duty Microphone (RMN5053)	$31.50
QA02406	Impres 4-way Navigation Keypad Mic (RMN5127)	$120.00
B71	Omit Microphone	-$10.00

STEP 2:

Bracket Choices:

STDBKT0511	Standard Mounting Bracket for VHF & UHF (Low Profile - RLN6469)	N/C
STDBKT0203	Standard Mounting Bracket for 800/900MHz (Low Profile - RLN6469)	N/C
B65	Omit Standard Mounting Bracket	-$4.00

STEP 3:

Cable Choices: (Optional RKN4136 Ignition Switch Cable is required for installations requiring ignition sense)

STDCBL0511	Standard Power Cable for VHF & UHF (HKN4191)	N/C
STDCBL0203	Standard Power Cable for 800/900MHz (HKN4191)	N/C
B161	Omit Standard Power Cable	-$8.00

STEP 4:

Shipping Box Choices:

STDBLK0511	Standard Model Box for VHF & UHF	N/C
STDBLK0203	Standard Model Box for 800/900MHz	N/C
B842	Bulk Packing (minimum 2 radios per box)	N/C

STEP 5:

The XPR Series mobiles ship with a Standard 2-year parts and labor warranty. Additionally, they ship standard with a 1- year Service from the Start -LITE (SfS) option for 3 years of total coverage. The 1- year of SfS-LITE coverage can be omitted by selecting the GA00164 option, which would provide only 2 years of standard warranty coverage. Additional SfS-LITE options are also available in the General Options section. Local Services are not included, contact your Customer Support Manager to place units on a Local Support Contract.

Service from the Start -LITE Choices:

STDRSA0511	Standard 2 Year Warranty + 1 Year Service from the Start -LITE (3 years of coverage) for VHF & UHF	N/C
STDRSA0203	Standard 2 Year Warranty + 1 Year Service from the Start -LITE (3 years of coverage) for 800/900MHz	N/C
GA00164	Omit 1 Year Service from the Start -LITE (Omitting this option would provide 2 years of standard warranty)	-$11.00

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SUGGESTED RETAIL

XPR™ 5550 & XPR™ 5580
VHF, UHF & 800/900MHz MOBILES
OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP

MOTOTRBO Connect Plus Trunking Operation:

MOTOTRBO Connect Plus is the next generation professional digital trunking communications solution that provides enhanced performance, productivity and value for two way radio users. Please refer to the XRC 9000 Controller section (under Fixed Equipment) for more information on how to order Connect Plus trunking systems.

QA00588 — Connect Plus Trunking Operation — -$25.00
Includes factory loading of the Connect Plus firmware application. The discount included in the pricing of this option ($25 List) is to be applied towards the purchase of the Connect Plus license (HKLN4457A). License HKLN4457A is required to Register and Activate the Connect Plus functionality in the radio and must be purchased separately from the QA00588 option (see details below).

HKLN4457 — Connect Plus Trunking License — $25.00
An Entitlement ID (EID) will be delivered via e mail to the address specified during order placement. Register and Activate the Connect Plus license in the MOTOTRBO Connect Plus capable radios using MOTOTRBO CPS (version 10.0 or higher). Registration requires an internet connection. Multiple licenses can be ordered under the same line item.

Notes:
1. Option QA00588 applicable only to MOTOTRBO digital capable models.
2. Option QA00588 requires MOTOTRBO CPS version 10.0 or higher.
3. Option QA00588 requires MOTOTRBO Option Board CPS (available in MOL Resource Center at no cost).
4. Connect Plus Trunking Operation requires:
   a. MOTOTRBO digital firmware release R02.30.00 or higher (included with factory option QA00588)
   b. MOTOTRBO expansion card (included with factory option QA00588)
   c. Connect Plus software (included with factory option QA00588)
   d. Connect Plus software license (order HKLN4457 separately)
5. Please refer to the Fixed Equipment section for Connect Plus Trunking system information.
6. Please refer to the Connect Plus System Planner and your Motorola ACES team representative for pre sale support and system design considerations

General Options:

QA01839 — LTR/PassPort Enhanced Operation. Factory Installed. — $72.00
Option includes built-in MOTOTRBO Expansion Card and installation of Scholer-Johnson software application license.
Notes:
1) Scholer-Johnson LTR/PassPort application runs on the MOTOTRBO Expansion Card. The application is compatible with both Classic and Enhanced PassPort operation.
2) Scholer-Johnson LTR/PassPort application requires winSJIppTRBO programming software.
3) MOTOTRBO XPR 5000/7000 series radios require firmware R02.04 version or higher.
4) Scholer-Johnson LTR/PassPort application is available only for Alpha-numeric Display portable and mobile models.
5) Scholer-Johnson LTR/PassPort application is compatible with FM equipped portables.
6) MDC PTT is now available in LTR modes of operation for XPR 5000/7000 series radios. Requires radio firmware R02.06.11 version or higher and the latest Scholer-Johnson progrmaming software.
7) Quik Call II signaling is not currently available in application's conventional or LTR modes of operation.
8) Trident TrAVL operation using Scholer-Johnson application is not available for XPR 5000 series mobiles.
9) Expansion Card draws additional current from radio battery so using a higher capacity battery may be required.
10) To purchase aftermarket Scholer-Johnson LTR/PassPort application and winSJIppTRBO programming software please contact Scholer-Johnson Inc. at 407 645 5093.
11) For Technical support on the LTR/PassPort application please contact Scholer-Johnson Inc. at 407 645 5093.

The XPR Series mobiles ship with a standard 2-year parts and labor warranty. Additionally, they ship standard with a 1-year Service from the Start -LITE (SfS) option (formerly known as the Repair Service Advantage Plan). If you desire additional years of SFS-LITE, you may choose one of the following three options. Please note that these plans are in addition to the 2-year standard warranty and 1 year SfS-LITE that ships standard with the unit. For example, if you order the G24, you will receive: 2 years standard warranty + 1 year SfS-LITE, PLUS 2 additional years of SfS -LITEfor a total coverage of 5 years.

G400 — ADD: 1-Year Service from the Start - LITE — $38.00
Provides for 1 year of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS-LITE that ships standard with the unit for a total coverage period of 4 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.

G24 — ADD: 2-Year Service from the Start - LITE — $73.00
Provides for 2 years of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS-LITE that ships standard with the unit for a total coverage period of 5 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.

G398 — ADD: 1-Year Service from the Start - LITE — $108.00
Provides for 3 years of extended hardware coverage beginning after the 2 year standard warranty and 1 year of SfS-LITE that ships standard with the unit for a total coverage period of 6 years. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay inbound shipping charges only with the use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.

GA00249 — ADD: Service from the Start Comprehensive — $184.00
Provides 3 years of hardware repair coverage and chemical, liquid, and other physical damage on your Motorola portable and mobile subscriber radios. Comprehensive coverage starts from the first day the radio is put into use. Repairs will be made only at the designated Motorola repair depot. Local charges are not included. Motorola will pay inbound shipping charges only with use of the Motorola designated deliver service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.***This SfS Comprehensive option is provided at an $11 discount to override the existing 1-year SfS-LITE that is already tied to the radio.***

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SUGGESTED RETAIL

XPR™ 5550 & XPR™ 5580
VHF, UHF & 800/900MHz MOBILES
OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP
Premium Software Feature:		
For more information, please refer to the Software License section.		
HKVN4249	MOTOTRBO Permanent Discoverable & Data Transfer Services via Bluetooth	$50.00

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SUGGESTED RETAIL

MOTOTRBO
MOBILE ACCESSORIES

XPR 2500	XPR 4350	XPR 4550	XPR 4380	XPR 4580	XPR 5350	XPR 5550	MODEL NUMBER	DESCRIPTION	MSRP
							Antennas:		
							The following antennas are intended for customers that would like one combined antenna for UHF and GPS:		
	X	X			X	X	HAE6019	GPS/UHF 450-527 MHz 2dB Gain	$157.00
	X	X			X	X	HAE6020	GPS/UHF 470-527 MHz 1/4 Wave	$137.00
	X	X			X	X	HAE6024	GPS/UHF 470-494 MHz 3.5dB Gain	$147.00
	X	X			X	X	HAE6026	GPS/UHF 494-512 MHz 3.5dB Gain	$147.00
			X	X			HAF4029	Combination GPS+RF, 806–941 MHz, 1/4 Wave, Through-hole Mount, Mini-U	$116.00
			X	X			HAF4030	Combination GPS+RF, 806–941 MHz, 3dB gain, Through-hole Mount, Mini-U	$144.50
			X	X			HAF4032	Combination GPS+RF, 806–941 MHz, 5dB gain, Through-hole Mount, Mini-U	$135.00
			X	X			HAF4033	Combination GPS+RF, 806–941 MHz, 5dB gain, Through-hole Mount, Mini-U	$152.50
	X	X			X	X	PMAE4030	Combination GPS/UHF, 1/4 Wave Through-hole Mount Antenna (403-430MHz)	$126.00
	X	X			X	X	PMAE4031	Combination GPS/UHF, 1/4 Wave Through-hole Mount Mount Antenna (450-470MHz)	$126.00
	X	X			X	X	PMAE4032	Combination GPS/UHF, 3.5dB Gain Through-hole Mount Mount Antenna (406-420MHz)	$157.00
	X	X			X	X	PMAE4033	Combination GPS/UHF, 3.5dB Gain Through-hole Mount Mount Antenna (450-470MHz)	$157.00
	X	X			X	X	PMAE4034	Combination GPS/UHF, 5dB Gain Through-hole Mount Mount Antenna (450-470MHz)	$157.00
	X	X			X	X	RAD4214	Combination GPS/VHF, 1/4 Wave Through-hole Mount Antenna (136-144 MHz)	$126.00
	X	X			X	X	RAD4215	Combination GPS/VHF, 1/4 Wave Through-hole Mount Antenna (146-150.8 MHz)	$126.00
	X	X			X	X	RAD4216	Combination GPS/VHF, 1/4 Wave Through-hole Mount Antenna (150.8-162 MHz)	$126.00
	X	X			X	X	RAD4217	Combination GPS/VHF, 1/4 Wave Through-hole Mount Antenna (162-174 MHz)	$126.00
	X	X			X	X	RAD4218	Combination GPS/VHF, 3.0dB Gain Through-hole Mount Antenna (146-172 MHz)	$157.00
							The following antennas are intended for customers that have existing mobile antennas and want to add GPS capability:		
	X	X	X	X	X	X	PMAN4000	Fixed Mount GPS Active Antenna	$75.75
	X	X	X	X	X	X	PMAN4001	Window Mount GPS Active Antenna	$36.50
	X	X	X	X	X	X	PMAN4002	Mag Mount GPS Active Antenna	$36.50
							The following antennas are intended for customers who do not plan to use GPS:		
	X	X			X	X	HAD4006	VHF 1/4 Wave Through-hole Mount Antenna, 136-144 MHz	$19.50
	X	X			X	X	HAD4007	VHF 1/4 Wave Through-hole Mount Antenna, 146-150.8 MHz	$19.50
	X	X			X	X	HAD4008	VHF 1/4 Wave Through-hole Mount Antenna, 150.8-162 MHz	$19.50
	X	X			X	X	HAD4009	VHF 1/4 Wave Through-hole Mount Antenna, 162-174 MHz	$19.50
	X	X			X	X	HAD4014	VHF 3.0dB Gain Through-hole Mount Antenna, 146-172 MHz	$65.50
X							HAD4022	VHF 3.0dB Gain, Through-Hole Mount, Mini-U, 132-174 MHz	$65.50
	X	X			X	X	HAE4002	UHF 1/4 Wave Through-hole Mount Antenna, 403-430 MHz	$27.75
	X	X			X	X	HAE4003	UHF 1/4 Wave Through-hole Mount Antenna, 450-470 MHz	$21.50
	X	X			X	X	HAE4004	UHF 1/4 Wave Through-hole Mount Antenna, 470-527 MHz	$21.50
	X	X			X	X	HAE4010	UHF 3.5dB Gain Through-hole Mount Antenna, 406-420 MHz	$77.50
	X	X			X	X	HAE4011	UHF 3.5dB Gain Through-hole Mount Antenna, 450-470 MHz	$77.50
	X	X			X	X	HAE4012	UHF 3.5dB Gain Through-hole Mount Antenna, 470-494 MHz	$77.50
	X	X			X	X	HAE4013	UHF 3.5dB Gain Through-hole Mount Antenna, 494-512 MHz	$72.00
	X	X			X	X	HAE6022	UHF 2dB Gain Trough-hole Mount Antenna, 403-470MHz	$64.50
	X	X			X	X	RAE4004ARB	UHF 5dB Gain Through-hole Mount Antenna, 450-470 MHz	$92.00
	X	X			X	X	RAE4163ARB	UHF Stubby Through-hole Mount Antenna, 410-430 MHz	$61.00
	X	X			X	X	RAE4164ARB	UHF Stubby Through-hole Mount Antenna, 430-450 MHz	$61.00
	X	X			X	X	RAE4168ARB	UHF Stubby Through-hole Mount Antenna, 450-470 MHz	$61.00
							XPR 4380/XPR 4580 Non-GPS Antennas only:		
			X	X			HAF4013	806–941 MHz, stubby, Through-hole Mount, Mini-U	$43.00
			X	X			HAF4025	806–941 MHz, 1/4 Wave, Through-hole Mount, Mini-U	$28.00
			X	X			HAF4026	806–941 MHz, 3 dB gain, Through-hole Mount, Mini-U	$57.00
			X	X			HAF4027	806–941 MHz, 5 dB gain, Through-hole Mount, Mini-U	$62.00
							Replacement Antennas:		
			X	X			0104036J89	NMO Perm Mnt,17 ft RG58/U, Mini-UHF, Rounded Center Pin Loose	$12.00
			X	X			HAF4019	Antenna only, 806–941 MHz, 1/4 Wave	$20.00
			X	X			HAF4020	Antenna only, 806–941 MHz, 3dB gain	$46.00
			X	X			HAF4022	Antenna only, 806–941 MHz, stubby	$35.75
			X	X			HAF4023	Antenna only, 806–941 MHz, 5dB gain	$51.00
			X	X			PMAN4004	Combo GPS+RF, Base Only, Through-hole Mount, Mini-U	$104.50
							Cables:		
X	X	X	X	X	X	X	HKN4137	Power Cable to Battery (10 feet, 15 amp)	$18.00
X	X	X	X	X	X	X	HKN4191	Power Cable to Battery (10 feet, 20 amp)	$18.00
X	X	X	X	X	X	X	HKN4192	Power Cable to Battery (20 feet, 20 amp)	$38.33
X							HKN9327_R	Ignition Sense Cable	$15.00
	X	X	X	X	X	X	RKN4136	Ignition Sense Cable	$35.00

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SUGGESTED RETAIL

MOTOTRBO
MOBILE ACCESSORIES

XPR 2500	XPR 4350	XPR 4550	XPR 4380	XPR 4580	XPR 5350	XPR 5550	MODEL NUMBER	DESCRIPTION	MSRP
							Control Station Accessories:		
X	X	X	X	X	X	X	3060665A04	AC Power Supply Cable (works with GPN6145 Power Supply)	$19.00
X	X	X	X	X	X	X	GKN6266	DC Power Supply Cable (works with GPN6145 Power Supply)	$22.00
X	X	X	X	X	X	X	GLN7318	Desktop Tray without Speaker	$40.00
X	X	X	X	X	X	X	GLN7326	Desktop Tray with Speaker	$82.50
X	X	X	X	X	X	X	GPN6145	Switchmode Power Supply (1-25 watt models). Requires Power Supply Cable.	$286.00
X	X	X	X	X	X	X	HKN9088	Mobile Mini-U Antenna Adapter - 8 Ft. Cable	$40.25
X	X	X	X	X	X	X	HPN4007	Power Supply and Cable (1-60 Watt Models)	$296.00
	X	X	X	X	X	X	PMLN5072	Hardware Kit for Rear Accessory Connector	$6.00
	X	X	X	X	X	X	RMN5050[1]	Desktop Microphone	$120.00
	X	X	X	X	X	X	RSN4005	Desktop Tray with Speaker	$84.00
							Handsfree Accessories:		
X							RLN4836_R	External PTT with Emergency Footswitch	$61.75
X							RLN4856	Footswitch with Remote PTT	$61.75
X							RLN4857	Pushbutton with Remote PTT	$38.50
	X	X	X	X	X	X	RLN5926	Push Button PTT	$39.00
	X	X	X	X	X	X	RLN5929	Emergency Footswitch	$72.00
	X	X	X	X	X	X	RMN5054[1]	IMPRES Visor Microphone	$40.00
							Loudspeakers:		
X							HSN8145	7.5 Watt External Speaker	$47.50
X							RSN4001	13 Watt External Speaker	$66.00
	X	X	X	X	X	X	RSN4002	13 Watt External Speaker	$66.00
	X	X	X	X	X	X	RSN4003	7.5 Watt External Speaker	$48.00
	X	X	X	X	X	X	RSN4004	5 Watt External Speaker	$44.00
							Microphones:		
X							GMMN4065	Visor Microphone (Omni-Direction). Supports Remote Monitor.	$36.00
X							HLN9073	Microphone Hang-up Clip (requires install)	$1.10
X							HLN9414	Microphone Hang-up Clip (Universal – no install required)	$7.70
	X	X	X	X	X	X	HMN4098[1]	IMPRES Telephone Style Handset	$195.00
	X	X	X	X	X	X	PMKN4033	Microphone Extension Cable for RMN5052 - 10 feet	$42.00
	X	X	X	X	X	X	PMKN4034	Microphone Extension Cable for RMN5052 - 20 feet	$48.00
X							PMLN6481	Telephone Style Handset (EPP compliant, no progm button). Supports Remote Monitor.	$142.00
X							PMMN4089	Enhanced Keypad Microphone. Supports Remote Monitor.	$99.00
X							PMMN4090	Compact Microphone with Clip. Does <u>not</u> support Remote Monitor.	$40.00
X							PMMN4091	Heavy Duty Microphone. Does <u>not</u> support Remote Monitor.	$81.50
					X	X	RLN6490	XBT Behind-the-Neck Heavy Duty Headset with Bluetooth	$699.00
					X	X	RLN6491	XBT Headband Style Heavy Duty Headset with Bluetooth	$699.00
	X	X	X	X	X	X	RMN5052[1]	Compact Microphone	$54.00
	X	X	X	X	X	X	RMN5053[1]	IMPRES Heavy Duty Microphone	$85.50
		X	X	X			RMN5065	IMPRES Keypad Microphone	$140.00
					X	X	RMN5127[1]	IMPRES 4-way Navigation Keypad Mic	$140.00
							Mounting Accessories:		
X							FTN6083	DIN Mount Kit	$40.00
	X	X	X	X			HLN9073	Microphone Hang-Up Clip (all microphones)	$1.10
	X	X	X	X	X	X	HLN9414	Universal Hang-Up Clip (all microphones)	$7.70
	X	X	X	X	X	X	HKN9557	PL259/Mini-U Antenna Adapter - 8' Cable	$12.00
	X	X	X	X			RLN5933	In Dash (DIN) Mounting Kit	$30.00
	X	X	X	X			RLN6077	Low Profile Trunnion Kit (this is the trunnion kit that ships standard with the radio (RLN6076), but is packaged for standalone sales)	$16.00
	X	X	X	X			RLN6078	High Profile Trunnion Kit	$21.00
	X	X	X	X			RLN6079	Key Lock Trunnion Kit	$122.00
					X	X	RLN6465	In-Dash Mounting Kit - DIN	$30.00
X					X	X	RLN6466	Low Profile Trunnion Kit (this is the trunnion kit that ships standard with the XPR5350 / XPR5550 / XPR2500 radios (RLN6469), but is packaged for standalone sales)	$16.00
X					X	X	RLN6467	High Profile Trunnion Kit	$21.00
X					X	X	RLN6468	Key Lock Trunnion Kit	$122.00
							Remote Mount Adaptor Kit Accessories:		
	X	X	X	X			PMKN4073	MOTOTRBO Mobile Remote Mount 5 Meter Cable Kit to use with PMLN5404A	$65.00
	X	X	X	X			PMKN4074	MOTOTRBO Mobile Remote Mount 3 Meter Cable Kit to use with PMLN5404A	$55.00
	X	X	X	X			PMLN5404	MOTOTRBO Mobile Remote Mount Adaptor Kit *Note: Firmware version R01.0400 or later MUST be programmed into the Mobile radio unit for proper operation of the Remote Mount Control Head configuration. For in-trunk installation, may also need a 20' radio power cable HKN4192. Cables not included, please select from the choices above.*	$110.00
					X	X	PMKN4143	XPR 5000's Mobile Remote Mount 3 Meter Cable for use with PMLN6404	$55.00
					X	X	PMKN4144	XPR 5000's Mobile Remote Mount 5 Meter Cable for use with PMLN6404	$65.00
					X	X	PMLN6404	XPR 5000's Mobile Remote Mount Adaptor Kit (place orders on May 1 and shipments begin on May 15) *Note: Firmware version R02.06.11 or later MUST be programmed into the Mobile radio unit for proper operation of the Remote Mount Control Head configuration. For in-trunk installation, may also need a 20' radio power cable HKN4192. Cables not included, please select from the choices above.*	$110.00

Mobiles - Page 28

Date 6/2/14

SUGGESTED RETAIL

MOTOTRBO
MOBILE ACCESSORIES

XPR 2500	XPR 4350	XPR 4550	XPR 4380	XPR 4580	XPR 5350	XPR 5550	MODEL NUMBER	DESCRIPTION	MSRP
							Replacement Button Kits:		
		X	X	X			HKLN4291	Standard Button Kit, XPR™ 4500, XPR™ 4550 (Monitor, Scan, Backlight, Emergency, Talkaround, Text Message, Contacts)	$22.00
		X	X	X			HKLN4292	Button Kit, XPR™ 4500, XPR™ 4550 (Remote Monitor, Radio Check, Radio Disable, VOX)	$4.00
	X						HKLN4293	Standard Button Kit, XPR™ 4300 (Monitor, Scan)	$3.00
							Service Equipment: *Pricing for service parts can be found on MOL or by contacting Customer Service*		
	X	X	X	X	X	X	HKN6184	Mobile Front Programming Cable	Call for pricing
		X	X	X			HLN7001	Option Board Interface Kit	Call for pricing
X	X	X	X	X	X	X	HKVN4101	MOTOTRBO Radio Management (RM) license (Price quantity discount applies: 1 - 499; 500 - 999; 1000 - 4999; 5000 +). Radio Management (RM) provides a faster and more efficient way to manage and make updates to radios in a wired or over the air programming (OTAP) configuration. Each license allows for 1 additional radio to be added to RM database. Note: RM supports all MOTOTRBO radios in a wired configuration, but OTAP is not supported on the XPR4000 & XPR6000 series radios.	$0.00
	X	X	X	X	X	X	PMKN4010	Mobile and Repeater Rear Programming Cable	Call for pricing
	X	X	X	X	X	X	PMKN4016	Mobile and Repeater Rear Programming, Test and Alignment Cable	Call for pricing
	X	X	X	X	X	X	PMKN4018	Mobile Rear Accessory Connector Universal Cable	Call for pricing
X							PMKN4147	MMP Telco Programming Cable	Call for pricing
X							PMKN4148	MAP Programming Cable w/ USB	Call for pricing
X							PMKN4149	MAP Test Cable w/ USB	Call for pricing
X							PMKN4150	MAP Test Cable w/ DB25	Call for pricing
X							PMKN4151	MAP Universal Cable	Call for pricing
	X	X	X	X			PMLN5496	MOTOTRBO Expansion Card	Call for pricing
X	X	X	X	X	X	X	RLN4460	Test Box for Portables and Mobiles	Call for pricing
X	X	X	X	X	X	X	RVN5115	Portable, Mobile and Repeater Customer Programming Software (CPS) Package - Software Package includes CPS, Air Tracer, Tuner and the MOTOTRBO System Planner. 3 Year Subscription Package Software is compatible w/Windows XP & Windows Vista (Home & Professional Versions). Portables require PMKN4012 or PMKN4013 Programming Cable - Mobiles and Repeaters require HKN6184, PMKN4010 or PMKN4016 Programming Cables. ***Note: Software requires a license agreement and is not intended for resale.***	$265.00
							User Manuals:		
X							68009613001	MOTOTRBO XPR 2500 Alpha Numeric User Guide (PDF Only)	N/C
X							68009620001	XPR 2500 Basic Service Manual (PDF Only)	N/C
					X	X	68009515001	MOTOTRBO XPR 5000 Series Mobile Basic Service Manual	$30.00
	X	X	X	X	X	X	6880309T12	MOTOTRBO System Planner	$30.00
	X	X					6880309T21	MOTOTRBO XPR 4000 Series Mobile Basic Service Manual	$30.00
	X	X					6880309T22	MOTOTRBO XPR 4000 Series Mobile Detailed Service Manual	$50.00
	X	X	X	X	X	X	6880309T23	MOTOTRBO Mobile Installation Guide	$20.00
	X	X	X	X			HKLN4284	Mobile User Guide CD Kit (Includes User Guides in English and French Canadian)	$10.00
							Wireless Accessories:		
					X	X	NNTN8125	Operations Critical Wireless Earpiece with 12” cable	$239.00
					X	X	NNTN8126	Operations Critical Wireless Earpiece with 9.5” cable	$239.00
					X	X	NNTN8127	Wireless Push-to-Talk Pod with power supply (Not compatible with SMARTNET/Privacy Plus, Connect Plus, or LTR/PassPort modes of operation)	$112.00
					X	X	NNTN8294	Operations Critical Wireless Earbud with 11.4” cable, inline mic, BLACK. Optimized to work with the Intelligent Audio feature. Must be ordered with NNTN8127 wireless PTT Pod	$40.00
					X	X	NNTN8295	Operations Critical Wireless Earbud with 45.7” cable, inline mic, BLACK. Optimized to work with the Intelligent Audio feature. Must be ordered with NNTN8127 wireless PTT Pod	$40.00
					X	X	NNTN8299	Replacement Eartips	$3.15
					X	X	NTN2572	Replacement Wireless Earpiece, 12” cable	$156.00
					X	X	NTN2575	Replacement Wireless Earpiece, 9.5” cable	$156.00

[1] These audio accessories have been optimized to work with the Intelligent Audio feature in XPR5350 and XPR5550

Software - Page 1
Date 1/1/14
SUGGESTED RETAIL

3rd PARTY APPLICATION PROVIDERS FOR MOTOTRBO

MOTOTRBO™ APPLICATION CATEGORIES

MOTOTRBO now has more than 50 supported applications in North America. To see a full list of MOTOTRBO applications, please log onto the MOTOTRBO ADP Portal using your Motorola Online Username and Password and reference the **North America Application Directory** found in the **Solutions Catalog** section at:
https://mototrbodev.motorolasolutions.com/SolutionsCatalog.aspx .
Please note that only those applications included in this Solutions catalog are accredited MOTOTRBO applications.

NOTE: Not every feature listed in the Categories below is offered in all applications included in that category. This list is simply meant to provide you with a guide of common features that applications in each category **may** include. To learn which features an individual application supports, please refer to the full Solutions Catalog page for that application.

FLEET MANAGEMENT	•GPS Tracking & Reporting •Status/Telemetry Monitoring •Text/Email Tx/Rx •Event-based GPS Monitoring (Man-down, Lone-worker, Emergency, Telematics)
DISPATCH CONSOLE	•VoIP, Text & Telemetry Tx/Rx •Radio Signaling (Check, Disable/Enable, Monitor, Call Alert) •Monitor Multiple Talkgroups Simultaneously •Cross-Patch •Voice Logging & Reporting
WORK-ORDER MANAGEMENT	•Work-flow Automation •Customer Relationship Management •Service Order Dispatching
SYSTEM MANAGEMENT	•Real-time MOTOTRBO System Traffic , IP Network & Connectivity Monitoring •Radio Infrastructure Controls, Diagnostics, Alarms •Logging & Reporting •Subscriber Access Control
ALARM MANAGEMENT	•Alarm Control •Facility Alarm Dispatch
PERSONNEL TRACKING	•RFID Tag Reader •Personal Accountability Timer •Indoor Bluetooth Positioning •Indoor Tracking - Beacons
EMAIL GATEWAY (Standalone)	•Send & Receive Radio Text/Email •Enable Work-order Management Applications
INTEROPERABILITY	•Cross-Connect Analog & Digital, Conventional & Trunked systems •Telephone-interconnect: PBX, PSTN, iDEN, Cellular •Cross-connect Radio to WiFi/WAN Mobile Computing
OPTION BOARD	•Use the Expansion Card to add capability to MOTOTRBO •Ex: Man-Down

For technical training on Motorola products, please visit:
https://learning.motorolasolutions.com/

Software - Page 2

Date 1/1/14 **GW3-TRBO**

SUGGESTED RETAIL **FOR MOTOTRBO**

GW3-TRBO Network Management Software for MOTOTRBO

GW3-TRBO is the system management tool for MOTOTRBO systems developed by The Genesis Group. GW3-TRBO is sold and supported by Motorola and is available on Motorola OnLine (MOL). GW3-TRBO enables an enhanced level of monitoring, managing, archiving, reporting, and notifications on MOTOTRBO systems. This system management software allows users to easily view and monitor live traffic, report and notify on system and subscriber activity, as well as manage and control subscriber usage.

Additional reference materials including ordering guides, brochures, manuals can be found at :

- MOL (https://businessonline.motorolasolutions.com) located at: MOL Resource Center > Product Info > Systems > MOTOTRBO
- Genesis Group http://www.genesisworld.com/TRBO/ or +1 877-548-0465 or http://www.genesisworld.com/contact/

GW3-TRBO Network Management Software for Connect Plus (L3620)

GW3-TRBO connects through the XRT9000 Gateway on Connect Plus trunking networks to collect airtime and billing data. GW3-TRBO can be used to monitor multiple Connect Plus systems simultaneously. The XRT9000 must be ordered separately and is not included with GW3-TRBO. L3620 includes the

Licensing:

1 GW3-TRBO Connect Plus Monitoring License
6 Connect Plus Site Monitoring Licenses
1 GW3-TRBO Client License (for 1 user login at a time)
6 months archiving
1 Year Software Warranty

Core Modules:

Alias Manager
Security Manager
Site and System Input Manager
Trigger Notifications

Live Views:

Activity by Talkgroup with Emergencies
Affiliation Display
All Activity Screen
Channel Screen
System Activity Summary
SysVista Dashboard
Subscriber Access Monitor

15+ Reports Including:

Usage by Infrastructure
Detailed usage by subscribers, groups, agencies
Diagnostics by site, channel, slot

Software - Page 3

Date 1/1/14

SUGGESTED RETAIL

GW3-TRBO
FOR MOTOTRBO

MODEL NUMBER	DESCRIPTION	MSRP
	STEP 1:	
Network Management Software (Required):		
L3620	GW3-TRBO Connect Plus Network Management Software Software CD and remote Genesis installation support included. Includes 6 Connect Plus site monitoring licenses. PC hardware not included	$18,500.00
	STEP 2:	
Software Licensing (Optional):		
TT05276AA	GW3-TRBO Additional 1 Site Monitoring L3620 includes 6 Connect Plus site monitoring licenses. Order qty 1 TT05276AA for each additional site	$2,000.00
TT05706AA	GW3-TRBO Additional 10 Site Monitoring L3620 includes 6 Connect Plus site monitoring licenses. Order qty 1 TT05706AA for 10 additional sites	$13,600.00
TT05488AA	GW3-TRBO Additional Simultaneous Client License L3620 includes 1 Client License. Order 1 TT05488AA for each additional simultaneous client that will access GW3-TRBO. Max quantity of simultaneous clients or simultaneous user logins is 10.	$6,800.00
TT05596AA	Upgrade from 6 months archiving to 12 months archiving Requires SQL Server 2008R2 Standard or DDN1538	$4,000.00
TT05282AA	GW3-TRBO GenSpout Forwards call information to an over-the-air logging solution. The radio IDs and aliases are filtered and fed to the recorder to allow it to be stored with recorded conversations	$1,000.00
TT05721AA	GW3-TRBO Advanced Power Monitor Connection License GW3-TRBO monitors APM boxes for power levels and archives information for reporting and alarming with GW3 Trigger. TT05721AA includes license for connection to 6 APM devices.	$3,000.00
TT05722AA	GW3-TRBO Additional APM Connections TT05721AA includes 6 APM connections. Additional licenses need to be purchased for the number of APM devices to monitor. 1 Per APM	$400.00
TT05159AA	External Alarm Relay Box	$720.00
	STEP 3:	
Hardware (Optional):		
DDN1537	GW3-TRBO Desktop Host Compatible with upto 6 sites. Desktop Specs: Dell OptiPlex 9010 Desktop, i7 (quad core, 8mb cache, 3.40GHz), 8GB Ram, 500GB SATA HDD, DVDRW, Win 7 Pro, Office Basic, 20"+ monitor, kybd, mouse, speakers, 3yr NBD Onsite Service	$3,100.00
DDN1538	GW3-TRBO Server Host Required for 7 or more sites and/or increased database capacity. Server Specs: Dell PowerEdge R320 Rackmount Server, Xeon (6 core, 15M Cache, 1.90GHz), 8GB Ram, RAID Controller, 2x300GB 15k Drives, DVDRW, Windows Server 2008 R2 x64, SQL	$14,688.00
DDN1539	GW3-TRBO Client Workstation L3620 includes 1 Client License. Additional client licenses need to be purchased separately - Client workstation specification: Dell OptiPlex 9010 Desktop, i7 (quad core, 8mb cache, 3.40GHz), 8GB Ram, 500GB SATA HDD, DVDRW, Win 7 Pro, Office Basic,	$3,100.00
	STEP 4:	
Support (Optional):		
L3596	Additional 12 Months of Software Support This is in addition to the 12 months of software support included with L3620	$2,100.00

Software - Page 4

Date 1/1/14

SUGGESTED RETAIL

GW3-TRBO
FOR MOTOTRBO

GW3-TRBO Network Management Software for Conventional / IP Site Connect / Capacity Plus / Linked Capacity Plus (L3619)

GW3-TRBO connects as a fully integrated peer on Conventional, IP Site Connect, Capacity Plus or Linked Capacity Plus MOTOTRBO networks. L3619 includes the following features:

Licensing:

3 Peer Network Licenses (3 IPSC Peer Networks, 3 LCP or Capacity Plus sites or any mix of them)
1 GW3-TRBO Client License (for 1 user login at a time)
6 month archiving
1 Year Software Warranty

Core Modules:

Alias Manager
Security Manager
Site and System Input Manager
Trigger Notifications

Live Views:

Activity by Talkgroup with Emergencies
All Activity Screen
Channel Screen
System Activity Summary
Subscriber Access Monitor

15+ Reports Including:

Usage by Infrastructure
Detailed usage by subscribers, groups, agencies
Diagnostics by site, channel, slot

Radio Commands:

Radio Call Alert
Radio Disable
Radio Emergency Alert Ackn
Radio Enable
Radio Remote Monitor
Radio Snapshot
*for LCP, a single control station is required to execute Radio Commands

Software - Page 5

Date 1/1/14

SUGGESTED RETAIL

GW3-TRBO
FOR MOTOTRBO

MODEL NUMBER	DESCRIPTION	MSRP
	STEP 1:	
Network Management Software (Required):		
L3619	GW3-TRBO IPSC/CP/LCP Network Management Software Software CD and remote Genesis installation support included. Includes licenses for monitoring 3 sites of Capacity Plus / LCP or 3 peer networks of IPSC. PC hardware not included.	$12,400.00
	STEP 2:	
Software Licensing (Optional):		
TT05276AA	GW3-TRBO Additional Site Monitoring L3619 includes monitoring for 3 Sites (3 IPSC Peer Networks, 3 LCP or Capacity Plus sites or any mix of them). Order qty 1 TT05276AA for each additional site (or peer network)	$2,000.00
TT05706AA	GW3-TRBO Additional 10 Site Monitoring L3619 includes monitoring for 3 Sites (3 IPSC Peer Networks, 3 LCP or Capacity Plus sites or any mix of them). Order qty 1 TT05706AA for 10 additional sites	$13,600.00
TT05488AA	Additional Simultaneous GW3-TRBO Client License L3619 includes 1 Client License. Order 1 TT05488AA for each additional simultaneous client that will access GW3-TRBO. Max quantity of simultaneous clients or simultaneous user logins is 10	$6,800.00
TT05596AA	Upgrade from 6 months archiving to 12 months archiving Requires SQL Server 2008R2 Standard or DDN1538	$4,000.00
TT05282AA	GW3-TRBO GenSpout Forwards call information to an over-the-air logging solution. The radio IDs and aliases are filtered and fed to the recorder to allow it to be stored with recorded conversations	$1,000.00
TT05721AA	Advanced Power Monitor Connection License GW3-TRBO monitors APM boxes for power levels and archives information for reporting and alarming with GW3 Trigger. TT05721AA includes license for connection to 6 APM devices	$3,000.00
TT05722AA	Additional GW3-TRBO APM Connections TT05721AA includes 6 APM connections. Additional licenses need to be purchased for the number of APM devices to monitor. 1 Per APM	$400.00
TT05159AA	External Alarm Relay Box	$720.00
TT05520AA	GW3-TRBO Upgrade to Connect Plus	$5,000.00
	STEP 3:	
Hardware (Optional):		
DDN1537	GW3-TRBO Desktop Host Compatible with upto 6 sites. Desktop Specs: Dell OptiPlex 9010 Desktop, i7 (quad core, 8mb cache, 3.40GHz), 8GB Ram, 500GB SATA HDD, DVDRW, Win 7 Pro, Office Basic, 20"+ monitor, kybd, mouse, speakers, 3yr NBD Onsite Service	$3,100.00
DDN1538	GW3-TRBO Server Host Required for 7 or more sites and/or increased database capacity. Server Specs: Dell PowerEdge R320 Rackmount Server, Xeon (6 core, 15M Cache, 1.90GHz), 8GB Ram, RAID Controller, 2x300GB 15k Drives, DVDRW, Windows Server 2008 R2 x64, SQL	$14,688.00
DDN1539	GW3-TRBO Client Workstation L3619 includes 1 Client License. Client licenses need to be purchased separately - Client workstation specification: Dell OptiPlex 9010 Desktop, i7 (quad core, 8mb cache, 3.40GHz), 8GB Ram, 500GB SATA HDD, DVDRW, Win 7 Pro, Office Basic,	$3,100.00
	STEP 4:	
Support (Optional):		
L3596	Additional 12 Months of Software Support This is in addition to the 12 months of software support included with L3619	$2,100.00

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Date 1/1/14
SUGGESTED RETAIL

XPR™8380 / XPR™8400
REPEATERS
12.5 kHz

Each XPR 8300 Includes:
- 120V AC Power Cord
- 2 Year Warranty

The following frequencies are supported by XPR8380 Dual Band			
Band	RECEIVE	Band	TRANSMIT
800MHZ	806.0125	800MHZ	851.0125
	806.5125		851.5125
	807.0125		852.0125
	807.5125		852.5125
	808.0125		853.0125
	809.000 - 820.9875 @5Hz incr		854.000 - 865.9875 @5Hz incr
	821.0125		866.0125
	821.5125		866.5125
	822.0125		867.0125
	822.5125		867.5125
	823.0125		868.0125
	824.000 - 825.000 @5Hz incr		869.000 - 870.000 @5Hz incr
900MHZ	896.000 - 902.000 @5Hz incr	900MHZ	935.000 - 941.000 @5Hz incr

Frequencies Not Allowed for XPR 8400:

144.000	172.025	498.825
147.450	172.030	
172.020	464.025	

Features:
- 100% Continuous Duty
- Supports Two Simultaneous Voice Paths in Digital TDMA Mode
- Operates in Analog or Digital Mode
- IP Site Connect (Digital Mode only)
- Remote Diagnostics Alarms and Controls (RDAC)
- Internal Power Supply
- Rack Mountable
- Wall-mount Kits Sold Separately
- Automated Battery Back-up (battery sold seperately)
- XPR 8400 12.5 kHz only Channel Spacing

***Please also see the list of available Premium Software feature options below which must be purchased in addition to the repeater.**

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MSRP
XPR8400 & XPR8380					
136-174 MHz	VHF	1-25W	1	AAM27JNR9JA7BN (XPR8400 32 MB)	$2,700
136-174 MHz	VHF	25-45W	1	AAM27JQR9JA7BN (XPR8400 32 MB)	$2,800
403-470 MHz	UHF	1-25W	1	AAM27QNR9JA7BN (XPR8400 32 MB)	$2,800
403-470 MHz	UHF	25-40W	1	AAM27QPR9JA7BN (XPR8400 32 MB)	$2,900
450-512 MHz	UHF	1-40W	1	AAM27TRR9JA7BN (XPR8400 32 MB)	$2,900
806-870MHz & 896-941MHz	800MHz/ 900MHz	10-35W	1	AAM27UMR9JA7AN (XPR8380 32 MB) Dual Band	$2,900

FCC INFORMATION: UHF 25W: AB99FT4026, UHF 40W: ABZ99FT4025, VHF 25W: ABZ99FT3026, VHF 45W: ABZ99FT3025, UHF2: ABZ99FT4027, 800 MHz ABZ99FT5029, 900 MHz ABZ99FT6001

For technical training on Motorola products, please visit:
https://learning.motorolasolutions.com/

Fixed - Page 2
Date 1/1/14
SUGGESTED RETAIL

XPR™8380 / XPR™8400
REPEATER
ACCESSORIES

MODEL NUMBER	DESCRIPTION	MSRP
General Options:		
G400	ADD: 1 Year Service from the Start -LITE - Provides 1 year of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$60.00
G24	ADD: 2 Year Service from the Start -LITE- Provides 2 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$114.00
G398	ADD:3 Year Service from the Start -LITE - Provides 3 years of extended hardware repair coverage beginning after the standard 2 year warranty period ends. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$171.00
Premium System Software:		
	Use the part numbers below to purchase Premium Software feature Entitlement ID's (EID) for the XPR8380 and XPR8400 repeaters. You will receive the EID via an e-mail. Use the MOTOTRBO RVN5115 CPS to register the serial number and activate the specific feature in the firmware of the desired unit. Internet connection is required during the registration, but the activation can be done offline.	
	Note: MOTOTRBO Premium Software Licenses are NOT transferrable from one device to another. Once a software feature has been registered and activated is a radio, it can NOT be transferred to another radio. If a radio unit is sent for repairs to a Motorola Solutions repair service depot, and the unit is readable with CPS, it will returned back with the same features enabled as it had originally. If the radio cannot be read with CPS< it will be returned from the repair depot with only the factory default settings since the depot cannot verify the features originally enabled. In this case, a call to Technical Support at 800-927-2744 will be required to request a replacement license.	
HKLN4427*	Capacity Plus Single Site Digital Trunking Upgrade Note: Use this part number to purchase Entitlement ID's (EID) to Register and Activate the Capacity Plus trunking in XPR 8300 and XPR 8400 repeaters. You will receive the EID via an e-mail. Register the Serial Numbers of the units, to be upgraded, and Activate the trunking via the RVN5115 MOTOTRBO CPS. Internet connection is required during the registration, but the activation can be done offline.	$1,667.00
HKVN4089*	Linked Capacity Plus Upgrade from Capacity Plus - Requires a 32MB repeater + XPR8380 0r XPR8400	$3,335.00
HKVN4099*	Linked Capacity Plus New System Deployment - Requires a 32MB repeater + XPR8380 0r XPR8400	$5,000.00
HKVN4242**	Digit Voting Operation	$1,250.00
HKLN4442	RDAC Multiple System Monitoring Upgrade License	$250.00
HKLN4456	Dynamic Mixed Mode Upgrade License (Analog & Digital Automatic Call Switching)	$250.00
HKVN4048**	Enhanced Scheduled GPS License	$750.00
HKVN4177*	Restricted Access to System Security	$250.00
HKVN4047	IP Repeater Programming and Upgrade License Activate in the MOTOTRBO CPS 6.0 or later. Once activated,CPS can connect to an unlimited number of repeaters, one at a	$250.00
HKVN4049**	Digital Telephone Interconnect Upgrade	$583.35
HKVN4205*	Data Network Application Interface (IP Wireline Data Gateway)	$750.00
	* These System level options must be used to enable the corresponding feature in All Repeaters in the Radio system: both voice and data revert.	
	** These software options are to be enabled only in the Repeaters that will support the specific feature (e.g. Enhanced GPS in the Data Revert Repeaters and Telephone Interconnect in the voice Repeater that is connected to the phone patch box and Digital Voting Only in the Voting Repeater).	
Crescend Power Amplifiers:	***** Available to order via MOL only ***** ***Frequency is required at time of order***	
DSP1020MOVC5	P10 SERIES Amplifier, 136-174MHZ, 20-50W Input, 100W Output, 23A Current Draw Replacement for RDD5565A, RDD5563A, RDD5548A, RDD5564A. Requires R1685 or RDN9900 Power Supply	$1,670.00
DSP1020MOUC5	P10 SERIES Amplifier, 406-512MHZ, 20-50W Input, 100W Output, 23A Current Draw Replacement for RDE6067A, RDE6068A, RDE6069A, RDE6106A, RDE6105A. Requires R1685 or RDN9900 Power Supply	$1,915.00
DSP1515MOJKC6	P15 SERIES Amplifier, 764-870 MHZ, 15-25W Input, 150W Output, 42A Current Draw Replacement for DSP1510K1C1001. Requires R1684 Power Supply. Can be tuned to 100W Output at time of order entry	$2,678.00
DSP1520MOJKC6	P15 SERIES Amplifier, 764-870 MHZ, 20-50W Input, 150W Output, 42A Current Draw Replacement for DSP1520K1C1001. Requires R1684 Power Supply. Can be tuned to 100W Output at time of order entry	$2,678.00
DSP1515MOLC6	P15 SERIES Amplifier, 928-942MHz, 15-25W Input, 150W Output, 42A Current Draw Replacement for DSP1510L1C1001. Requires R1684 Power Supply. Can be tuned to 100W Output at time of order entry	$2,678.00
DSP1520MOLC6	P15 SERIES Amplifier, 928-942MHz, 20-50W Input, 150W Output, 42A Current Draw Replacement for DSP1520L1C1001. Requires R1684 Power Supply. Can be tuned to 100W Output at time of order entry	$2,678.00
DSRM60M	RM60M Astron Power Supply, 13.8VDC, 50A Continuous, 55A ICS	$686.00
DSRM50M	RM50M Astron Power Supply, 13.8VDC, 37A Continuous, 50A ICS	$516.00
CDQRDN9900	DPS-30 Duracomm, Filtered Power Supply, 13.8VDC, 30A Max	$304.00
DSP1020MOVPS	P10 SERIES, C5 Amplifier, 136-174MHZ, 20-50W Input, 100W Output, 13.8DC / 110 AC Includes an integrated 110V AC Power Supply; Frequency is required at time of order	$2,228.00
DSP1020MOUPS	P10 SERIES, C5 Amplifier, 406-512MHZ, 20-50W Input, 100W Ooutput, 13.8DC / 110AC Includes an integrated 110V AC Power Supply; Frequency is required at time of order	$2,458.00
DSP820MOJKPS	P8 SERIES, C5 Amplifier, 764-870MHZ, 20-50W Input, 80W Output, 13.8DC / 110AC Includes an integrated 110V AC Power Supply	$2,637.00

Fixed - Page 3
Date 3/4/14
SUGGESTED RETAIL

XPR™8380 / XPR™8400
REPEATER
ACCESSORIES

MODEL NUMBER	DESCRIPTION	MSRP
Duplexers - All duplexers have female type "N" connectors.		
Untuned Duplexers (for use with standard repeater) - Requires Tuning in the Field		
HFD8188	VHF Duplexer, 144-155 MHz (minimum & maximum freq. separation 4.5 MHz/6 MHz)	$722.00
HFD8189	VHF Duplexer, 155-162 MHz (minimum & maximum freq. separation 4.5 MHz/6 MHz)	$611.00
HFD8190	VHF Duplexer, 162-174 MHz (minimum & maximum freq. separation 4.5 MHz/6 MHz)	$611.00
DSCP10725UNTUNED	UHF Duplexer - Untuned 406-500 MHz (N-female 4-8 MHz spacing) Pre-tuned 460 MHz (Low) and 465 MHz (High)	$463.00
HFE8400	UHF Duplexer, 406-450 MHz (minimum & maximum freq. separation 5 MHz)	$571.00
HFE8401	UHF Duplexer, 470-495 MHz (minimum & maximum freq. separation 3 MHz)	$591.00
HFE8454	UHF Duplexer, 490-527 MHz (minimum & maximum freq. separation 3 MHz)	$498.00
Untuned Duplexers (for use with 100 Watt power amplifiers) - Requires Tuning in the Field		
9175300H01	VHF Duplexer (RoHS) 132-146MHz (5MHz separation RX or TX)	$1,380.00
9175300H02	VHF Duplexer (RoHS) 144-160MHz (5MHz separation RX or TX)	$1,380.00
9175300H03	VHF Duplexer (RoHS) 158-174MHz (5MHz separation RX or TX)	$1,380.00
9175300H05	UHF Duplexer (RoHS) 403-435MHz (5MHz separation RX or TX)	$2,170.00
9175300H06	UHF Duplexer (RoHS) 435-470MHz (5MHz separation RX or TX)	$1,380.00
9175300H07	UHF Duplexer (RoHS) 470-494MHz (5MHz separation RX or TX)	$1,380.00
9175300H08	UHF Duplexer (RoHS) 494-512MHz (5MHz separation RX or TX)	$1,380.00
Tuned Duplexers (for use with standard repeater) - Must Specify Frequency for Tuning		
HFD8465	VHF Duplexer, 150-160 MHz (minimum & maximum freq. separation 4.5 MHz/6 MHz)	$611.00
HFF4003A	810-960 MHz Circulator, 18 dB min Insulation, 100W max power handling, N-Female	$560.00
DSCP10725TUNED	UHF Duplexer - Tuned 406-500 MHz (N-female 4-8 MHz spacing)	$463.00
Duplexer Cables - An N-Type Male to N-Type Male and N-Type Male to BNC Male cables are needed to connect the XPR8300 to a Duplexer		
0112004B04	N - Type Male to N - Type Male 24" (to connect repeater to external duplexer or preselector)	$92.25
0112004U04	N - Type Male to BNC Male 24" (to connect repeater to external duplexer or preselector)	$65.50
3082081X01	Right angle N-Type Male to straight N-Type Male 30" (to connect 100W PA to external duplexer/preselector)	$39.00
Antennas- Contact Dealer Support Services for additional antennas		
DQDB222A	VHF 3dB Gain Antenna, 150-158 MHz	$402.00
DQDB404B	UHF 3.8dB Gain Antenna, 450-470 MHz	$561.00
Mounting Accessories:		
PMLE4476	Wall Mount Kit (includes wall mount bracket and screws)	$115.00
PMLE4548	Rack Mount Duplexer/Filter Enclosure Kit (includes mounting screws)	$165.00
Preselectors:		
HFD8461	VHF Preselector, 144-160 MHz	$336.00
HFD8462	VHF Preselector, 160-174 MHz	$336.00
HFE8459	UHF Preselector, 440-474 MHz	$450.00

To order Preselectors TUNED, place your order through Customer Care Services at 800-422-4210.

To order Preselectors UN-TUNED, order directly through Customer Care Services. Preselectors must be mounted externally when using an XPR™ 8300 Repeater. All preselectors have female type "N" connector. A type "N" male to male connector is required for proper operation (0112004B04 or 0112004U04). The length of the cable depends on your application. Call Customer Care Services to find a cable for your individual application or for additional preselector options.

Lightning Protection Recommendation Accessories:		
DSISB50LNC2	Coax Protector - *Available to order via MOL only*	$79.00
Coaxial Cable In-Line Arrestors:		
RRX4032	Tower Mounting Hardware for Lightning Arrestor	$15.00
DSISB50LNC2MA	Coax Protector Bulkhead - *Available to order via MOL only*	$70.00
Service, Programming Accessories and Cables:		
RVN5115	Portable, Mobile and Repeater Customer Programming Software (CPS) Package: Software Package includes CPS, Air Tracer, Tuner and the MOTOTRBO System Planner. 3 Year Subscription Package Software is compatible with Windows XP & Windows Vista (Home and Professional Versions); support for Windows 2000 ended 6/30/09. Portables require PMKN4012 or PMKN4013 Programming Cable · Mobiles and Repeaters require HKN6184, PMKN4010 or PMKN4016 Programming Cables. ***Note: Software requires a license agreement and is not intended for resale.***	$265.00
PMKN4010	Mobile and Repeater Rear Programming Cable	Call for Pricing

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Date 6/2/14
SUGGESTED RETAIL

XPR™8380 / XPR™8400
REPEATER
ACCESSORIES

MODEL NUMBER	DESCRIPTION		MSRP
Service, Programming Accessories and Cables (continued):			
PMKN4016	Mobile and Repeater Rear Programming, Test and Alignment Cable		Call for Pricing
RKN4152	Battery Back-up Cable		Call for Pricing
PMLN5270	MOTOTRBO Connector Board Service Kit		Call for Pricing
RRDN7242	Raider to TRBO Repeater	TMS 500-578	$260.00
RRDN7257	Marauder to TRBO Repeater Cable	TMS 500-582	$260.00
RRDN7256	Xtend to TRBO Repeater Cable	TMS 500-584	$260.00
RRDN7255	Xtreme to TRBO Repeater Cable	TMS 500-585	$260.00
Network Devices:			
DSHPJF283	HP MSP2020 Multi-service Router (Available to order via MOL only)		$1,114.00
DSJ9782	HP Procurve 2530-24 Ethernet Switch (Available to order via MOL only)		$650.00
General Accessories:			
6816814H01	MOTOTRBO Repeater Installation Guide		$20.00
6816810H01	MOTOTRBO Repeater Basic Service Manual		$30.00
6816811H01	MOTOTRBO Repeater Detailed Service Manual		$50.00
6880309T12	MOTOTRBO System Planner		$30.00
3087791G01	120V AC Line Cord		$8.25

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Date 1/1/14
SUGGESTED RETAIL

MTR3000
MOTOTRBO & ANALOG CONVENTIONAL BASE RADIO
GENERAL INFORMATION

The MTR30000, orderable model T3000A, is a robust, high powered base station/repeater that offers reliability, future expandability and the ease of migration from analog to digital technology. It integrates voice and data seamlessly, offers enhanced features that are easy to use and delivers increased capacity while the MTR3000 Satellite Receiver, orderable model T7713A, helps enhance analog and digital coverage. No matter your needs, the MTR3000 provides a flexible communication solution from the field to the factory floor.

GENERAL INFORMATION:

High Powered Performance
- Integrated 100 Watt Power Amplifier and AC/DC Power Supply
- Minimal cabling and rack space
- Digital Operation support for MOTOTRBO Conventional, IP Site Connect, Capacity Plus, Linked Capacity Plus, and Connect Plus
- Analog Operation supports Conventional, LTR/Passport Trunking Systems

Serviceability
- Supports Remote or Local monitoring of system performance with Repeater Diagnostic Control Software (RDAC)
- Modular based design allows for quick replacement of components with functionally separate Field Replaceable Units (FRU's) when needed.
- Direct access to service ports via the front panel
- Two Year standard warranty

Added Functionality
- Supports Dispatch capability via the MIP 5000 VoIP console
- Digital Telephone Interconnect capability
- Transmit Interrupt Suite
- Analog Wireline capability enabling Integrated Tone Remote Control and DC Remote Control functionality with balanced audio.
- Voting Capability with the MOTOBRIDGE VGU as well as the legacy Spectra-Tac and DIGITAC comparator
- Supports Dynamic Mixed Mode to streamline automatic switching from analog to digital calls. Conventional repeater only
- Convert the MTR2000 to MTR3000 with minimal time and money investment with the MTR2000 Digital Upgrade Kit, orderable model T2003A

***Please also see the list of available Premium Software feature options below which must be purchased in addition to the repeater.**

RESOURCES:
- Spec Sheet MOL Resource Center Print On Demand
- Product Planner MOL Resource Center > Product Information> Systems > MOTOTRBO
- MTR3000 Sales & Ordering Guide (MOL Resource Center)

ORDERING REQUIREMENTS:

DUE TO THE COMPLEX NATURE OF CERTAIN ORDERABLE OPTION CONFIGURATIONS WE STRONGLY RECOMMEND REVIEW OF THE PRODUCT PLANNER AND SALES & ORDERING GUIDE

- The MTR3000 ships standard with a 12 foot AC Power Cable (US and Canada) and a basic install/ service manual . The X347AF has been removed
- The MTR3000 main model (T3000) must be ordered for a Standalone Base Radio
- To operate as a base station with the same frequencies the X622AC option must be ordered. If same receive and transmit frequency operation (i.e. simplex) with a singular antenna is desired, then X371 is required as well

Optional Software Features: As new software releases are available there may be software features offered for an additional charge for each Base Radio license. An email address must be provided when ordering so that an software entitlement ID can be emailed to the requestor. The entitlement id allows a user to download the software feature at their convenience when they are connected to the MTR3000. To download the software version that is connected to the station (via USB) user must have an internet connection.

Customer Programming Software (CPS) is required to program the MTR3000. Order RVN5115 Portable, Mobile and Repeater Customer Programming Software (CPS) Package: Package includes CPS, Air Tracer, Tuner, Repeater Diagnostics and Control (RDAC), MOTOTRBO System Planner, and 3 year subscription. Software is compatible with Windows XP (Home and Professional Versions) Windows 2000, Windows 7, and Vista. The RVN5115 software updates are posted on MOL and are available to customers with a current subscription at the following location: MOL > Resource Center> Software > Two-Way > MOTOTRBO > Service. CPS Cabling: MTR3000 stations use a standard type A to type B USB cable for connection to the CPS computer.

CPS Cabling: Model DDN9957. MTR3000 stations require a standard type A to type B USB cable for connection to the CPS computer.

Notes:
- All Base Radios ship un-configured and must be field programmed via the Customer Programming Software
- MTR3000 cannot utilize the MTR2000 RSS software (RVN4148)
- You must purchase the RVN5115 for the MTR3000 Base Radio and the MTR2000 MOTOTRBO Upgraded Base Radio
- RVN5115 programs MTR3000, & XPR Mobiles, Portables & Repeater

Duplexers: Optional. The filter provides the capability to use a single antenna for both transmit and receiver. Only one transmitter and receiver can be combined.

Preselectors are Optional but Mandatory when a Duplexer is Ordered. Preselectors reject the unwanted signals including the transmit signals from the overloading of the receiver .

Frequencies: Exact customer frequencies are required at the time order is placed. Frequency selection option is also mandatory

The MTR3000 station comes equipped to be front mountable.
Note: The U178 cabinet-mount-hardware option provides L-brackets which support the weight of the base radio prior to the insertion of the front mounting screws. This option is designed for use ONLY with Schroff Eurorack cabinets.
Racks and Cabinets are available through Aftermarket Support (1-800-422-4210).

See product catalog sheets for FCC information.

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Date 1/1/14
SUGGESTED RETAIL

MTR3000
MOTOTRBO & ANALOG CONVENTIONAL BASE RADIO
VHF & UHF, 800/900 MHz

MODEL	DESCRIPTION	MSRP
T3000	MTR3000 Base Radio	$3,700.00
SELECT FREQUENCY OPTION:		
X330MT	ADD: VHF 100W Power (136-174MHZ)	$3,400.00
X340MT	ADD: UHF 100W Power (403-470 MHz)	$3,400.00
X540MT	ADD: UHF 100W Power (470-524 MHz)	$3,400.00
X450MT	ADD: 800MHz 100W Power (806-870)	$3,600.00
X460MT	ADD: 900MHz 100W Power (896-941)	$3,600.00
X622AC	ADD: BASE STATION OPERATION -- Required when frequencies are the same operating in analog simplex. *If selecting this option, TX and RX frequencies provided must be the same*	N/C
Premium System Software:		

Use the part numbers below to purchase Premium Software feature Entitlement ID's (EID) for the MTR3000 repeaters. You will receive the EID via an e-mail. Use the MOTOTRBO RVN5115 CPS to register the serial number and activate the specific feature in the firmware of the desired unit. Internet connection is required during the registration, but the activation can be done offline.

Note: MOTOTRBO Premium Software Licenses are NOT transferrable from one device to another. Once a software feature has been registered and activated is a radio, it can NOT be transferred to another radio. If a radio unit is sent for repairs to a Motorola Solutions repair service depot, and the unit is readable with CPS, it will returned back with the same features enabled as it had originally. If the radio cannot be read with CPS< it will be returned from the repair depot with only the factory default settings since the depot cannot verify the features originally enabled. In this case, a call to Technical Support at 800-927-2744 will be required to request a replacement license.

DDN9957	HI-SPEED USB CABLE 6FT (TYPE A -B)	$20.00
HKLN4439*	Capacity Plus Repeater License	$1,667.00
HKVN4110*	Linked Capacity Plus New System Deployment	$5,000.00
HKVN4112*	Linked Capacity Plus Upgrade from Capacity Plus	$3,335.00
HKVN4243**	Digital Voting Operation	$1,250.00
HKVN4044	Dynamic Mixed Mode Software Upgrade	$250.00
HKVN4047	IP Repeater Programming and Upgrade License Activate in the MOTOTRBO CPS 6.0 or later. Once activated, the CPS can connect to an unlimited number of repeaters, one at a time.	$250.00
HKVN4055**	Enhanced GPS	$750.00
HKVN4066**	Digital Telephone Interconnect Upgrade	$583.35
HKVN4178*	Restricted Access to System Security	$250.00
HKVN4208*	Data Network Application Interface (IP Wireline Data Gateway)	$750.00

* These System level options must be used to enable the corresponding feature in All Repeaters in the Radio system: both voice and data revert.

** These software options are to be enabled only in the Repeaters that will support the specific feature (e.g. Enhanced GPS in the Data Revert Repeaters and Telephone Interconnect in the voice Repeater that is connected to the phone patch box and Digital Voting Only in the Voting Repeater).

RVN5115	Portable, Mobile, and Repeater Customer Programming Software (CPS) Package - Software package includes CPS, Air Tracer, Tuner, Repeater Diagnostic Control, and the MOTOTRBO System Planner. 3 Year Subscription Package Software is compatible with Windows XP & Windows Vista (Home and Professional versions) and Windows 7; support for Windows 2000 ended 6/30/09. ***Note: Software requires a license agreement and is not intended for resale.***	$265.00
Misc:		
X269AC	ENH: Spectra TAC	$150.00
X699BA	ADD: MTR3000 Factory Test Report	N/C
Wireline:		
X216AR	ADD: 4 Wire Wireline	$400.00
Peripherals:		
X182	Duplexer - Allows a single pair of transmit and receive channels to share a common antenna. *If a duplexer is ordered, a preselector is required*	$1,380.00
X182VL	ADD: DUPLEXER, VHF (136-146 MHZ)	
X182VM	ADD: DUPLEXER, VHF (144-160 MHZ)	
X182VH	ADD: DUPLEXER, VHF (158-174 MHZ)	
X182UL	ADD: DUPLEXER, UHF (403-435 MHZ)	
X182UM	ADD: DUPLEXER, UHF (435-470 MHZ)	
X182UN	ADD: DUPLEXER, UHF (470-494 MHZ)	
X182UH	ADD: DUPLEXER, UHF (494-512 MHZ)	
X182EB	ADD: DUPLEXER, 800 MHZ	
X265	High Performance Preselector - Recommended for dense RF site applications. For multiple channel operation the receiver frequency seperation cannot be greater than 4.0 MHz **Please select the correct suffix version based on Rx Frequency. Please see product planner and ordering guide for further complex rules when ordering a preselector**	$500.00
X265VL	ADD: PRESELECTOR, VHF (136- 154 MHZ)	
X265VH	ADD: PRESELECTOR, VHF (150-174MHZ)	
X265UL	ADD: PRESELECTOR, UHF (380-435 MHZ)	
X265UM	ADD: PRESELECTOR, UHF (435-470 MHZ)	
X265UH	ADD: PRESELECTOR, UHF (470-524 MHZ)	
X676VL	ADD: CIRCULATOR, VHF (136-146 MHZ)	$1,500.00
X676VM	ADD: CIRCULATOR, VHF (144-160 MHZ)	$1,500.00
X676VH	ADD: CIRCULATOR, VHF (158-174 MHZ)	$1,500.00
X676UL	ADD: CIRCULATOR, UHF (403-470 MHZ)	$1,500.00
X676UH	ADD: CIRCULATOR, UHF (470-524 MHZ)	$1,500.00
X676EB	ADD: CIRCULATOR, 800 MHz	$1,000.00
X371	Base Station Antenna Relay (not standard with main model)	$250.00

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Date 1/1/14

SUGGESTED RETAIL

MTR3000

MOTOTRBO & ANALOG CONVENTIONAL BASE RADIO

OPTIONS

MODEL	DESCRIPTION	MSRP
Power Cables:		
X189AE	Power Cable; Europe	N/C
X162AD	Power Cable; UK	N/C
X191AD	Power Cable; Australia	N/C
XA00040AA	Power Cable; Brazil	N/C
CA01520AA	Power Cable; DC	$25.00
Communication / Reference Cables:		
X244AG	COMMUNITY REPEATER PANEL CABLE	$50.00
X244AH	ANALOG PHONE PATCH CABLE	$50.00
X244AJ	AUXILIARY SYSTEM CABLE	$50.00
C540AD	System Connector Cable Kit: Provides a housing shell to connect to the 96 pin backplane connector, 30 loose pins, 30 of 24 gauge, 2 meter long wires with a pin for header on one end and unterminated at the other end. Allows user to create customized cable depending on application.	$50.00
Mounting Hardware:		
X153BA	Rack Mount Hardware	$75.00
	NOTE: For customer supplied rack, adds racking hardware, no rack included. (Not Compatible with X676 or X182)	
U178AB	CABINET MOUNT HARDWARE FOR SCHROFF EURORACK CABINETS	$100.00
Kit & Accessories: MTR3000 Field Replaceable Units (FRUs)		
All Field Replacement Units (FRUs) are available through Customer Care and Service Division (RPSD) 1-800-927-2744.		
SERVICE ACCESSORIES:		
FRU MTR3000		
DLN6710	FRU VHF 100W PA 136-174	$3,450.00
DLN6712	FRU VHF 136-174 EXCITER	$1,500.00
DLN6713	FRU VHF 136-174 RECEIVER	$1,500.00
DLN6701	FRU UHF 100W PA (403-470 MHz)	$3,500.00
DLN6702	FRU UHF 100W PA (470-524 MHz)	$3,450.00
DLN6703	FRU UHF 403-470 MHz, EXCITER	$1,500.00
DLN6704	FRU UHF 450-524 MHz, EXCITER	$1,500.00
DLN6705	FRU UHF 403-470 MHz, RECEIVER	$1,500.00
DLN6706	FRU UHF 450-524 MHz, RECEIVER	$1,500.00
DLN6714	FRU 800/900 MHZ 100W PA	$3,450.00
DLN6715	FRU 800/900 MHZ EXCITER	$1,500.00
DLN6716	FRU 800/900 MHZ RECEIVER	$1,500.00
POWER SUPPLY FRU MTR3000s:		
DLN6707	FRU MTR3000 AC/DC POWER SUPPLY	$1,000.00
CONTROL/WIRELINE/MISCELLANEOUS FRU MTR3000s:		
DLN6719	FRU STATION CONTROL TCXO FOR VHF AND UHF	$1,300.00
DLN6718	FRU STATION CONTROL OCXO FOR 800/900 MHz	$1,600.00
DLN6720	FRU 4 WIRE WIRELINE	$450.00
MICROPHONES/SPEAKERS/TEST CABLE:		
HSN1006	EXTERNAL SPEAKER	$104.00
0185180U01	CABLE FOR EXTERNAL SPEAKER	$18.25
GMMN4063	SERVICE MIC	$72.00
30009493001	RECEIVER AUDIO TEST CABLE	$65.25
CABINETS/RACKS & HARDWARE:		
THN6700	12" INDOOR CABINET	$330.00
THN6701	30" INDOOR CABINET	$440.00
THN6702	46" INDOOR CABINET	$630.00
0782099W01	30" MODULAR RACK (16 RK U)	$230.00
0782099W02	45" MODULAR RK (24 RK U)	$260.00
0782099W03	52" MODULAR RK (27 RK U)	$275.00
CLN6679	RACK MOUNT HARDWARE	$50.00

MTR2000 MOTOTRBO™ UPGRADE
VHF & UHF, 800/900 MHz
GENERAL INFORMATION

The MTR3000 is a robust, high powered base station / repeater that offers reliability, future expandability, and the ease of migration from analog to digital technology. It integrates voice and data seamlessly, offers enhanced features that are easy to use and delivers increased capacity while the MTR3000 satellite receiver model helps enhance analog coverage. So no matter your needs, the MTR3000 provides a flexible communication solution from the field to the factory floor.

GENERAL INFORMATION:

High Powered Performance :

Minimal cabling and rack space
Digital Operation support for MOTOTRBO Conventional, IP Site Connect, Capacity Plus, Linked Capacity Plus, and Connect Plus
Analog Operation supports Conventional, LTR/Passport Trunking Systems

Serviceability:

Supports Remote or Local monitoring of system performance with Repeater Diagnostic Control Software (RDAC)
Modular based design allows for quick replacement of components with functionally separate Field Replaceable Units (FRU's) when needed.
Direct access to service ports via the front panel
Two Year standard warranty

Added Functionality

Supports Dispatch capability via the MIP 5000 VoIP console
Digital Telephone Interconnect capability
Transmit Interrupt Suite
Analog Wireline capability enabling Integrated Tone Remote Control and DC Remote Control functionality with balanced audio. Must upgrade backplane
Voting Capability with the MOTOBRIDGE VGU as well as the legacy Spectra-Tac and DIGITAC comparator. Must upgrade backplane

Added Functionality

Supports Dynamic Mixed Mode to streamline automatic switching from analog to digital calls
Convert the MTR2000 to MTR3000 with minimal time and money investment with the MTR2000 Digital Upgrade Kit

RESOURCES:

Spec Sheet MOL Resource Center Print On Demand
Product Planner MOL Resource Center > Product Information> Systems > MOTOTRBO
MTR3000 Sales Guide (MOL Resource Center)

ORDERING REQUIREMENTS:

The MTR2000 Digital Upgrade Kit comes standard with the following
MTR3000 Exciter
MTR3000 Receiver
MTR3000 Station Control Module
MTR3000 Front Bezel
TORX Screws
MTR3000 FCC Upgrade Label
MTR2000 Digital Upgrade Kit Quick Reference Guide
MTR3000 Basic Service & Install Manual
Standard Two Year Warranty on the MTR3000 Exciter, Receiver and Control Board

DUE TO THE COMPLEX NATURE OF CERTAIN ORDERABLE OPTION CONFIGURATIONS WE STRONGLY RECOMMEND REVIEW OF THE PRODUCT PLANNER SALES ORDERING GUIDE BEFORE PLACING ORDERS.

The Main line item T2003A must be ordered.
The exact customer frequencies must be ented at the time of order. Frequency selection option also mandatory

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Date 1/1/14

SUGGESTED RETAIL

MTR2000 MOTOTRBO™ UPGRADE

VHF & UHF, 800/900 MHz

OPTIONS

MODEL	DESCRIPTION	MSRP
T2003	MTR2000 MOTOTRBO Upgrade	$500.00

SELECT FREQUENCY OPTION:

X340MT	ADD: UHF (403-470 MHz)*	$3,400.00
X330MT	ADD: VHF (136-174MHZ)*	$3,400.00
X450MT	ADD: 800MHz 100W Power (806-870)	$3,600.00
X460MT	ADD: 900MHz 100W Power (896-941)	$3,600.00

*For UHF/VHF, supports both low power and high power MTR2000

Software:

RVN5115	Portable, Mobile, and Repeater Customer Programming Software (CPS) Package - Software package includes CPS, Air Tracer, Tuner, Repeater Diagnostic Control, and the MOTOTRBO System Planner. 3 Year Subscription Package Software is compatible with Windows XP & Windows Vista (Home and Professional versions) and Windows 7; support for Windows 2000 ended 6/30/09. ***Note: Software requires a license agreement and is not intended for resale.***	$265.00
DDN9957	HI-SPEED USB CABLE 6FT (TYPE A -B)	$20.00

Premium System Software:

Use the part numbers below to purchase Premium Software feature Entitlement ID's (EID) for the MTR2000 upgraded repeaters. You will receive the EID via an e-mail. Use the MOTOTRBO RVN5115 CPS to register the serial number and activate the specific feature in the firmware of the desired unit. Internet connection is required during the registration, but the activation can be done offline.

Note: MOTOTRBO Premium Software Licenses are NOT transferrable from one device to another. Once a software feature has been registered and activated is a radio, it can NOT be transferred to another radio. If a radio unit is sent for repairs to a Motorola Solutions repair service depot, and the unit is readable with CPS, it will returned back with the same features enabled as it had originally. If the radio cannot be read with CPS< it will be returned from the repair depot with only the factory default settings since the depot cannot verify the features originally enabled. In this case, a call to Technical Support at 800-927-2744 will be required to request a

HKVN4044**	Dynamic Mixed Mode Software Upgrade	$150.00
HKLN4439*	Capacity Plus Repeater License	$1,667.00
HKVN4110*	Linked Capacity Plus New System Deployment	$5,000.00
HKVN4112*	Linked Capacity Plus Upgrade from Capacity Plus	$3,335.00
HKVN4055**	Enhanced GPS	$750.00
HKVN4178*	Restricted Access to System Security	$250.00

* These System level options must be used to enable the corresponding feature in All Repeaters in the Radio system: both voice and data revert.

** These software options are to be enabled only in the Repeaters that will support the specific feature (e.g. Enhanced GPS in the Data Revert Repeaters and Telephone Interconnect in the voice Repeater that is connected to the phone patch box).

Peripherals: Existing peripherals that are being utilized for the MTR2000 can retrofit the MTR3000 once it is upgraded. There is no need to purchase a new Duplexer, Preselector or Circulator or Antenna Relay.

Kit & Accessories: MTR3000 Field Replaceable Units (FRUs)

All Field Replacement Units (FRUs) are available through Customer Care and Service Division (RPSD) 1-800-927-2744.

FRU MTR3000:

DLN6703	FRU UHF 403-470 MHz, EXCITER	$1,500.00
DLN6705	FRU UHF 403-470 MHz, RECEIVER	$1,500.00
DLN6707	FRU: MTR3000 AC/DC POWER SUPPLY	$1,000.00
DLN6715	FRU 800/900 MHZ EXCITER	$1,500.00
DLN6716	FRU 800/900 MHZ RECEIVER	$1,500.00
DLN6712	FRU VHF 136-174 EXCITER	$1,500.00
DLN6713	FRU VHF 136-174 RECEIVER	$1,500.00
DLN6720	FRU: 4 WIRELINE BOARD	$450.00
DLN6721	FRU: BACKPLANE	$67.00

CONTROL/WIRELINE/MISCELLANEOUS FRU MTR3000s:

DLN6719	FRU STATION CONTROL TCXO FOR VHF AND UHF	$1,300.00
DLN6718	FRU STATION CONTROL OCXO FOR 800/900 MHz	$1,600.00

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Date 1/1/14
SUGGESTED RETAIL

MTR2000 MOTOTRBO™ UPGRADE
VHF & UHF, 800/900 MHz
ACCESSORIES

MODEL	DESCRIPTION	MSRP
MICROPHONES/SPEAKERS/TEST CABLE:		
HSN1006	EXTERNAL SPEAKER	$104.00
0185180U01	CABLE FOR EXTERNAL SPEAKER	$18.25
GMMN4063*	SERVICE MIC	$72.00
	*The Upgraded MTR2000 requires the use of the GMMN4063 service microphone	
30009493001	RECEIVER AUDIO TEST CABLE	$65.25
CABINETS/RACKS & HARDWARE		
THN6700	12" INDOOR CABINET	$330.00
THN6701	30" INDOOR CABINET	$440.00
THN6702	46" INDOOR CABINET	$630.00
0782099W01	30" MODULAR RACK (16 RK U)	$230.00
0782099W02	45" MODULAR RK (24 RK U)	$260.00
0782099W03	52" MODULAR RK (27 RK U)	$275.00
CLN6679	RACK MOUNT HARDWARE	$50.00

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Date 1/1/14
SUGGESTED RETAIL

XRC 9000 Trunking Controller
FOR MOTOTRBO™ CONNECT PLUS DIGITAL TRUNKING SYSTEMS
VHF/UHF/800/900 MHz

The XRC 9000 Controller Includes:

- 120 VAC Power Cable
- 3 ft.Ethernet Cable
- Quick Start Guide
- 19" Rack Mounting Kit

Please refer to the MOTOTRBO Connect Plus System Planner for more details on system configurations and trunking features.

General Information:

The XRC 9000 is the central call processing equipment in MOTOTRBO™ Connect Plus digital trunking solutions. The XRC 9000 is a powerful multiprocessor computer designed to provide call processing and real-time resource management. The XRC 9000 controller is designed as an Internet Protocol (IP) device that can be configured for Connect Plus single site or multi-site trunking operation.

MOTOTRBO Connect Plus is the next generation professional digital trunking communications solution that provides more performance, productivity and value for your business. Connect Plus supports up to fifteen (15) repeaters per site, which provide twenty-nine (29) slots per site to be used as voice or data resources, and up to thirty-five (35) sites when the XRC 9000 controller is ordered for multi-site operation. Connect Plus Trunking uses 2:1 TDMA technology with a control channel slot based architecture which provides the following key trunking features:

- PTT-ID
- Dynamic Site Assignment
- Site Registration
- Automatic Roaming
- User Priority Levels
- Busy Queuing and Call Back
- Selective Call and Call Alert
- Group Scan across Radio Zones
- Emergency Call and Alert Operation
- Redundant Controller
- OTA Code Plug Transfer
- Rotating Control Slots
- Site Restrictions
- Network Wide All Call

Note: For Connect Plus to operate in the UHF and VHF bands it requires at least one YG FB8 or FCC Auction Exclusive use channel for control channel @ each site. Please refer to FCC 90.187 for additional regulatory compliance information.

XRC 9000 Controller Models:

MODEL	DESCRIPTION	MSRP
TT2213	XRC 9000 Single Site Trunking Controller	$38,462.00
TT2215	XRC 9000 Multi-Site Trunking Controller	$46,154.00
TT2214	XRC 9000 Multi-Site Upgrade Package	$7,692.00
TT2308	XRC 9000 Field Upgrade Package (R1.0A)	$0.00
TT2391	XRC 9000 Field Upgrade Package (R1.1)	$0.00
HKVN4221	XRC 9000 Field Upgrade Package (R1.3); E-mail Only ***Submission of the Connect Plus Upgrade Workbook is required. See Ordering Requirements 12 Below.**	$0.00
HKVN4165	XRC 9000 Field Upgrade Package (R1.2.3); E-mail Only ***Submission of the Connect Plus Upgrade Workbook is required. See Ordering Requirements 12 Below.**	$0.00
HKVN4143	CD Field Upgrade	$35.00

Ordering Requirements:

1. One XRC 9000 controller is required per trunking site.
2. If you are purchasing a new system, please include the text "0000" in the Network ID field.
3. If you are purchasing a system expansion, please provide the existing 4 digit (i.e. 0123) “NETWORK ID" when entering the order.
4. All XRC 9000 controllers interconnected for multi-site operation require to have the same NETWORK ID.
5. Existing NETWORK ID and XRC 9000 controller SERIAL NUMBER required when ordering XRC 9000 Multi-Site Upgrade Package (TT2214).
6. Uninterrupted Power Supply (UPS) backup required for continuous operation of XRC 9000 controller and networking equipment during power outages.
7. The XRC 9000 controller and other Connect Plus Trunking system equipment can be ordered as part of the Assembled Trunked System (ATS) program for staging at Motorola CCSI (Customer Center for System Integration).
8. Racks / cabinet equipment is required for system staging at CCSI.
9. Please refer to the Connect Plus System Planner and your Motorola ACES team representative for pre-sale support and system design considerations.
10. A site ID needs to be provided for service during the warranty period. To generate one, please fill out the ""CSP short form"" and send it back to Motorola at CCOF129@email.mot.com . You will be asked to provide a PO if the proper entitlement is not provided. The form and the instructions are available in: Motorola Online > Resource Center > Services > Warranty Information > Customer Support Plan (CSP) Short Form.
11. Enter one line item for each controller requiring an Upgrade.
12. When ordering an upgrade HKVN4141, please make sure to include the Connect Plus Network ID for the system, the Connect Plus Electronic Serial Number (TRxxxxxx) & e-mail in the appropriate fields for each controller in the order line item notes of the Connect Plus Upgrade Workbook found on MOL. The Serial Number is found via the Network Manager while connected to the specific controller. Not submitting the completed workbook to Motorola (as instructed in the workbook) will delay processing of the order. An e-mail containing the upgrade will be sent to the address entered in the order. Each upgrade is approximately 3M in size. If your e-mail account cannot manage this size file, a CD version of the upgrade will be mailed to you ONLY if HKVN4143 is ordered along with the XRC 9000 Field Upgrade Package.

Literature & Information (available on Motorola Online):

- Connect Plus System Brochure
- XRC 9000 Controller Specifications Sheet
- Connect Plus Frequently Asked Questions
- XRC 9000 Controller User and Installation Guide
- Connect Plus System Planner

Warranty:

Two (2) Year Standard Warranty. Note: Motorola offers an “up-lift” to standard warranty, providing two business day replacement. This service can be purchased anytime during Motorola Standard Warranty (equipment failures prior to uplift purchases are excluded from the two business day cycle time). For more information contact your Motorola Dealer or Motorola Sales Account Manager.

Questions?

Contact Motorola at 1-800-422-4210.

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SUGGESTED RETAIL

XRC 9000 Trunking Controller
FOR MOTOTRBO™ CONNECT PLUS DIGITAL TRUNKING SYSTEMS
VHF/UHF/800/900 MHz

Connect Plus Digital Trunking System
Site Equipment

- The following equipment is included as a reference to help you build the Connect Plus sites. Final system configuration will be determined by the number of repeaters and specific site requirements.
- Proper site grounding and lightning protection are important considerations for safe and reliable operation of the Connect Plus trunking system. Refer to the Motorola Quality Standards Fixed Network Equipment Installation Manual R56 for more details.
- Please refer to the Connect Plus System Planner and your Motorola ACES team representative for pre-sale support and system design considerations.

NETWORKING EQUIPMENT:

MODEL	DESCRIPTION	MSRP
DSHPJF283	HPA-MSR20-20 Multi-Service Router (JF283A). 2 SIC slots. 2 RJ-45 auto-sensing 10/100 WAN HPA-MSR20-20 Multi-Service Router	$1,114.00
DSJ9782	HP Procurve 2530-24 Ethernet Switch (Available to order via MOL only)	$650.00
TDN1113	Ethernet Cable (50 ft).	$41.00
NX-6524-0000-00-WR	NX -6524 Wireless LAN Controller. Ethernet switch provides 24 ports w/16 GB memory $ 250 GB of storage	$8,995.00
23844-00-00R	Cord Set 18AWG SVT 3Cond 7.5FT	$10.00

BACKUP POWER:
For XRC 9000 Controller and Networking Equipment

MODEL	DESCRIPTION	MSRP
DSSMART1000RM2U	Rack Mount Line Interactive Stand-By Power Supply (1kVA). Input: NEMA 5-15P (120V 15A) / Output: 6 NEMA 5-15R	$720.00
DSGXTR0900N005	Rack Mount UPS 1KVA 120 V Softwired Input: NEMA 5-15P plug / Output: 6 NEMA 5-15R (5 min runtime @ full load)	$1,457.00
DSGXTR09001032	Rack Mount UPS 1KVA 120 V Softwired Input: NEMA 5-15P plug / Output: 6 NEMA 5-15R (32 min runtime @ full load)	$2,317.00
DS201193G1L	Rack Mount Rail Kit for 4-Post Racks. Use for DSGXTR0900N005 and DSGXTR09001032 UPS Units.	$135.00
DS2POSTRMKITWM	Horizontal Rack Mount Kit for 2 –Post Installation. Use for DSSMART1000RM2U UPS.	$100.00

NOTE: When ordering UPSs and determining the CRSD date, please keep in mind that the battery warranty is voided if batteries are not put in service or charged within 4 months of ship date.

SITE AC DISTRIBUTION AND AC SURGE PROTECTION:

MODEL	DESCRIPTION	MSRP
BLN6200B	AC Power Strip, 6 outlet (No Surge Protection)	$94.00
DSOP820B	20 Vac, Eight 20 A Receptacles Each w/ Dedicated Circuit, Power Distribution Unit w/ Field Replaceable Type-3 Surge	$990.00
DS1101378	Mount Adapter Plate for EIA 19 in. Rack. (Use with DSOP820B).	$63.00
DS11013781	Mount Adapter Plate for EIA 19 in. Schroff Cabinets. (Use with DSOP820B).	$74.00

RACKS / CABINETS:

MODEL	DESCRIPTION	MSRP
DQ55053703	7 ft (84") 19" EIA (2 posts) 45 RU Open Frame Rack	$238.00
DQ46353705	7.5 ft (90") 19" EIA (2 posts) 51 RU Open Frame Rack	$650.00
DSTGT1133742	6.5 ft. Beige Cabinet (19" w x 78" h x 30"d) Square Punched Rails, Top and Side Panels, Vertical Rails. Leveling Feet,	$4,075.00
DSTGT1033742	7 ft. Beige Cabinet (19" w x 84" h x 30" d) Square Punched Rails, Top and Side Panels, Vertical Rails. Leveling Feet,	$4,315.00

REPEATER EQUIPMENT:
Please refer to the MOTOTRBO Fixed Equipment section for XPR 8300 / XPR 8380 / MTR 3000 repeaters and RF peripherals available for Connect Plus trunking operation.

For technical training of Motorola products, please visit:
https://learning.motorolasolutions.com/

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SUGGESTED RETAIL

XRC 9000 Trunking Controller
FOR MOTOTRBO™ CONNECT PLUS DIGITAL TRUNKING SYSTEMS
VHF/UHF/800/900 MHz

Connect Plus Digital Trunking System

Typical Rack Layout

- Below is a typical rack layout for a 3-repeater (5 time slots) Connect Plus trunking system using XPR 8300 UHF repeaters for reference purposes.
- Please refer to your Motorola ACES team representative for pre-sale design support and system design configurations.
- Please refer to the Motorola Quality Standards Fixed Network Equipment Installation Manual R56 for installation guidelines.

For technical training of Motorola products, please visit:
https://learning.motorolasolutions.com/

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SUGGESTED RETAIL

XRC 9000 Trunking Controller
FOR MOTOTRBO™ CONNECT PLUS DIGITAL TRUNKING SYSTEMS
VHF/UHF/800/900 MHz

Connect Plus Digital Trunking System
Typical Rack Layout

- Below is a typical rack layouts for a 3-repeater (5 time slots) Connect Plus trunking system using MTR 3000 800 MHz repeaters for reference purposes.
- Please refer to your Motorola ACES team representative for pre-sale design support and system design configurations.
- Please refer to the Motorola Quality Standards Fixed Network Equipment Installation Manual R56 for installation guidelines.

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SUGGESTED RETAIL

XRT 9000 Connect Plus Gateway
FOR MOTOTRBO™ CONNECT PLUS DIGITAL TRUNKING SYSTEMS
VHF/UHF/800/900 MHz

The XRT 9000 Gateway Includes:
- 120 VAC Power Cable
- 3 ft. Ethernet Cable
- Quick Start Guide
- 19" Rack Mounting Kit

Please refer to the MOTOTRBO Connect Plus System Planner for more details on system configurations and trunking features.

General Information:

XRT 9000 Gateway is designed to perform protocol translation for equipment and applications wishing to interact with the MOTOTRBO™ Connect Plus digital trunking system.

XRT 9000 is an Internet Protocol (IP) based device that allows connectivity from authorized clients that are part of the Motorola Solutions Application Development Partner (ADP) Program.

The XRT 9000 Application Protocol Interface (API) is a published document available to all Motorola Solutions Application Development Partners.

The total number of Talk Paths registered by all clients cannot exceed the number of registered talk paths IDs licensed for the XRT 9000 which is a maximum of 100. Please refer to the XRT 9000 Gateway User Guide for Talk Path definition.

The number of licensed Talk Paths determines how many Group and Private IDs can be registered by all clients, but not the maximum number of simultaneous calls.

The maximum number of simultaneous calls on a single XRT 9000 is 30.

R1.2 supports Emergency Alert to console and Network Wide All Call from console.

XRT 9000 Gateway Models:

MODEL	DESCRIPTION	MSRP
TT2386	XRT 9000 Gateway (No Registered ID)	$7,101.00
TT2394	XRT 9000 10 Registered Talk Path IDs (License Bundle Only - used with TT2386)	$3,462.00
TT2395	XRT 9000 Gateway with 100 Registered Talk Path IDs	$39,053.00
HKVN4222	XRT 9000 Field Upgrade Package (R1.3); E-mail Only ***Submission of the Connect Plus Upgrade Workbook is required. See Ordering Requirements 6 Below.**	$0.00
HKVN4166	XRT 9000 Field Upgrade Package (R1.2.3); E-mail Only ***Submission of the Connect Plus Upgrade Workbook is required. See Ordering Requirements 6 Below.**	$0.00
HKVN4143	CD of Field Upgrade	$35.00

Ordering Requirements:

1. The XRT 9000 Gateway is only required on Connect Plus systems needing Avtec Scout™ or Genesis GW3-TRBO® (this may also be required for future ADP applications on Connect Plus).
2. Uninterrupted Power Supply (UPS) backup required for continuous operation of XRT 9000 Gateway and networking equipment during power outages.
3. The XRT 9000 Gateway and other Connect Plus Trunking system equipment can be ordered as part of the Assembled Trunked System (ATS) program for staging at Motorola CCSI (Customer Center for System Integration).
4. Racks / cabinet equipment is required for system staging at CCSI.
5. Please refer to the Connect Plus System Planner and your Motorola ACES team representative for pre -sale support and system design considerations.
6. When ordering an upgrade HKVN4141, please make sure to include the Connect Plus Network ID for the system, the Connect Plus Electronic Serial Number (TRxxxxxx) & e-mail in the appropriate fields for each controller in the order line item notes of the Connect Plus Upgrade + Workbook found on MOL. The Serial Number is found via the Network Manager while connected to the specific controller. Not submitting the completed workbook to Motorola (as instructed in the workbook) will delay processing of the order. An e-mail, containing the upgrade, will be sent to the address entered in the order. Each upgrade is approximately 3M in size. If your e-mail account cannot manage this size file, a CD version of the upgrade will be mailed to you ONLY if HKVN4143 is ordered along with the XRC 9000 Field Upgrade Package.

Literature & Information (available on Motorola Online):

XRT 9000 Gateway User Guide
Connect Plus System Planner

Warranty:

Two (2) Year Standard Warranty. Note: Motorola offers an “up-lift” to standard warranty, providing two business day replacement. This service can be purchased anytime during Motorola Standard Warranty (equipment failures prior to uplift purchases are excluded from the two business day cycle time). For more information contact your Motorola Dealer or Motorola Sales Account Manager.

Questions?

Contact Motorola at 1-800-422-4210.

For technical training of Motorola products, please visit:
https://learning.motorolasolutions.com/

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SUGGESTED RETAIL

SCOUT™ CONSOLE
FOR MOTOTRBO™ CONNECT PLUS TRUNKING SYSTEMS

GENERAL INFORMATION:

Avtec's Scout™ is a VoIP (Voice over Internet Protocol) wire-line console intended for commercial and operation -critical Connect Plus trunking systems. Avtec Inc. is a technology leader for dispatch consoles with over 30 years of history designing and implementing dispatch console solutions all over the world.

As a qualified MOTOTORBO Application Provider, Avtec has enhanced their Scout console to integrate it with Connect Plus systems as part of the MOTOTRBO Application Development Program.

Key SCOUT console system features include:

- Scalable architecture from 1-60 console positions.
- Dedicated media workstation for console audio.
- True IP architecture.
- Customizable graphical user interface.
- Supports live system updates.
- Integrates with third party CAD.
- Integrates with SIP telephone systems.
- Integrates with IP-enabled logging recorders.

Visit www.avtecinc.com for literature information on Avtec Scout console for Connect Plus systems.

How to request a quote:

To request a quote for a Scout console system download **AVTEC Scout Quote Request Form** from **Motorola Online/ Product Information/Systems/Trunking and ATS/ATS/ATS-QSP Order and Quote Forms** and send completed form to IndirectSystems.Support@motorolasolutions.com

For ATS systems, download **ATS Quote Request Form** and **AVTEC Scout Quote Request Form** from **Motorola Online/ Product Information/Systems/Trunking and ATS/ATS/ATS-QSP Order and Quote Forms** and send completed forms to ATS.Support@motorolasolutions.com

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SUGGESTED RETAIL

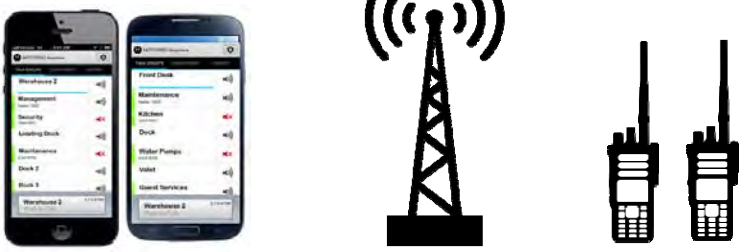
MOTOTRBO™ Anywhere
FOR MOTOTRBO™ CONNECT PLUS TRUNKING SYSTEMS

GENERAL INFORMATION:
MOTOTRBO™ Anywhere is an enterprise-grade solution that includes an easy-to-use Android or IOS application for mobile devices that connects through a scalable wireline gateway to a MOTOTRBO radio network.

Key MOTOTRBO™ Anywhere features include:

- Private Calls, Group Calls, Multi-Group Calls
- Call History
- Secure Communications
- Flexible Client Management
- Secure Centralized Provisioning
- Unique Profile for Every User

NOW SHIPPING!



Visit www.motorolasolutions.com/MOTOTRBOAnywhere for more information on MOTOTRBO™ Anywhere.

How to request a quote:

To request a quote for MOTOTRBO™ Anywhere, download the **MOTOTRBO™ Anywhere for Connect Plus Quote Request Form** from **Motorola Online/Product Information/Systems/Trunking and ATS/ATS/ATS-QSP Order and Quote Forms** and send the completed form to IndirectSystems.Support@motorolasolutions.com.

For ATS systems, **download the MOTOTRBO™ Anywhere for Connect Plus Quote Request Form** and send the completed form to ATS.Support@motorolasolutions.com

Warranty
The MOTOTRBO Anywhere Gateway equipment is warranted against defective materials and workmanship for a period of two (2) years from the date of delivery to the original purchaser. Liability under this warranty is limited to servicing, adjusting, repairing or replacing, as necessary, any equipment returned to Motorola, transportation prepaid for that purpose. Factory examination must disclose a manufacturing defect. Repaired or replaced items will be returned to the purchaser via surface freight within the continental U.S.A. For troubleshooting and Warranty Service, please contact Motorola Technical Support at 800-927-2744 # 3, 3.

Return for Credit
You may return eligible products for a credit or a refund of the purchase price paid, less shipping and handling, and any applicable restocking fees, as set forth below. No equipment may be returned for credit until the customer has obtained Motorola's written approval for return authorization.

30-Day Return Period
All hardware, accessories, parts may be returned within 30 days from the date on the packing slip or invoice for a credit or a refund of the purchase price paid, less shipping and handling, and any applicable restocking fees (as further described below). Any product returned without prior authorization from Motorola will be considered an unauthorized return and will not receive credit for the product return. Motorola will also not ship the product back to you.

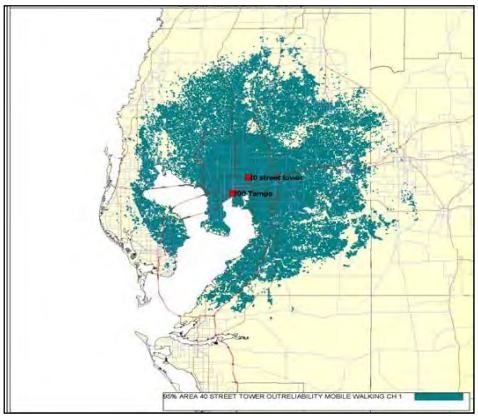
Restocking Fees
Unless the product is defective or the return of a Motorola error, Motorola may charge a restocking fee of up to 15% of the purchase price paid.

How to Return a Product
Before returning a product, you MUST first contact Motorola customer service and obtain a Return Materials Authorization (RMA) number before the end of the applicable return period. Motorola will not accept returns without a RMA number.
NOTE: You must ship the product to Motorola within 5 days of the RMA issue date and MUST follow these steps:
• Ship back all products you are seeking to return to Motorola and for which you received a RMA number.
• Return the products in their original packaging, in as-new condition, along with any media, documentation and any other items from the original shipment.
• Ship the products at your expense, and insure the shipment or accept the risk of loss or damage during shipment.
Upon receipt of your return, Motorola will issue a credit or a refund of the purchase price paid, less shipping and handling, and applicable restocking fees.

MODEL NUMBER	DESCRIPTION	MSRP
DSMTAGPWPSP	MOTOTRBO Anywhere Gateway Replacement Power Supply (Order via MOL Only)	$153.00
DSMTAGCOVR	MOTOTRBO Anywhere Gateway Replacement Interface Blade Cover (Order via MOL Only)	$30.00

Technical Services - Page 1
Date 1/1/14
SUGGESTED RETAIL

COVERAGE MAP GENERATION SERVICES
FOR MOTOTRBO & P25 SYSTEMS



MODEL	DESCRIPTION	MSRP	RESELLER
HKLN4495A	Coverage Map Generation Services	$420.00	$250.00

Note: Once you have an FO # that includes the model number above, please contact Motorola at **1-800-927-2744** (and select option 3 for pre sale services) OR send an email to indirectsystems.support@motorolasolutions.com to have an engineer assigned. The engineer will need a completed "Coverage Request Form" which can be obtained in Motorola Online Resource Center/Product Information/Systems/MOTOTRBO/Connect Plus Trunking.

Description

Motorola Solutions provides informational coverage maps to our partners deploying MOTOTRBO or P25 Systems. The typical Coverage map will provide predicted Talk-in and Talk-out coverage area for Portable and Mobile subscribers. The coverage maps will provide in Adobe Acrobat PDF format but can also be provided in the Google Earth KMZ format on request. Please note: Coverage Maps will depict estimated coverage and not actual coverage. Actual Coverage will vary depending on actual topography, time of the year and other interfering sources in the area. Coverage Maps may only be used for informational purposes and should not be assumed to carry a coverage guarantee.

The above pricing includes maps for systems with up to 6 sites. For additional sites order additional quantities of the same part number. (i.e. for up to 12 sites order Qty. 2 ($500),up to 18 sites order Qty. 3 ($750) and so on. This cost also covers up to two iterations of the maps (alternate scenarios with different site locations, antenna heights, etc.). Map iterations will have to be completed within 30 days of receiving the first set of coverage maps.

For more information please contact the Alternate Channel Engineering Services (ACES) Team at **indirectsystems.support@motorola.com**.

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PRODUCT COMPARISON MATRIX
MOTOTRBO PORTABLES

	CP200d	XPR 3300	XPR 3500	XPR 6100	XPR 6350	XPR 6550	XPR6380	XPR6580	XPR 6580 IS Canada Only	XPR 7350 XPR 7380	XPR 7550 XPR 7580	XPR7550IS Canada Only	SL 7550 SL7580 SL7590
General													
Display	N/A	N/A	Monochrome 16-character alpha-numeric	N/A	N/A	Monochrome 16-character alpha-numeric	N/A	Monochrome 16-character alpha-numeric	Monochrome 16-character alpha-numeric	N/A	5 line Color 16-char/line Alpha-numeric	5 line Color 16-char/line Alpha-numeric	5 line Color 16-char/line Alpha-numeric
Expansion Card Capable	N/A	N/A	N/A	N/A	Optional	Optional	Included	Included	Included	Included	Included	Included	Integrated
Frequency Bands	UHF and VHF	UHF and VHF	UHF and VHF	UHF and VHF	UHF and VHF	UHF and VHF	800-900 MHz	800-900 MHz	800-900 MHz	UHF and VHF	UHF and VHF	UHF and VHF	UHF, 800 & 900
Ingress Protection Rating	IP 54	IP 55	IP 55	IP 54	IP 57	IP 57	IP 57	IP 57	IP 67	IP 57	IP 57	IP 67	IP 54
Intrinsically Safe Option	N/A	N/A	N/A	N/A	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	N/A
Keypad	N/A	N/A	Limited	N/A	N/A	Y	N/A	Y	Y	N/A	Y	Y	Y
Max. # of Channels	16	16	128	32	32	1000	32	1000	240	32	1000	1000	1000
Max. # of Zones	1	1	50	2	2	250	2	250	130	2	250	250	250
Password Lock	Y	Y	Y	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
Power Output	4W (U) / 5W (V)	4W (U) / 5W (V)	4W (U) / 5W (V)	4W (U) / 5W (V)	4W (U) / 5W (V)	4W (U) / 5W (V)	2.5 W	2.5 W	1W	4W (U) / 5W (V)	4W (U) / 5W (V)	4W (U) / 5W (V)	2W
Third Party Applications	N/A	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
Analog Conventional	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A
12.5 /25 KHz Channel Bandwith	12.5 KHz only	12.5 KHz only	12.5 KHz only	Y	Y	Y	Y	Y	Y	12.5 KHz Only	12.5 KHz Only	12.5 KHz Only	N/A
And/Or Signaling Squelch in MDC 1200	Y	Y	Y	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	N/A
And/Or Signaling Squelch in Quik-Call II	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N/A
Bluetooth Audio	N/A	N/A	N/A	Optional	Optional	Optional	Optional	Optional	Optional	Y	Y	N/A	N/A
CSQ/TPL/DPL Squelch Type	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N/A
DTMF Hot Keypad	N/A	N/A	N/A	N/A	N/A	Y	N/A	Y	Y	N/A	Y	Y	N/A
Escalert Tone	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lone Worker	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N/A
Man Down	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Optional	N/A
MDC 1200 Sig. Call Alert	Y (Decode)	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	N/A
MDC 1200 Sig. Emergency	Y (Encode)	Y (Encode)	Y	N/A	Y (Encode)	Y	Y (Encode)	Y	Y	Y (Encode)	Y	Y	N/A
MDC 1200 Sig. PTT-ID	Y (Encode)	Y (Encode)	Y	Y (Encode)	Y (Encode)	Y	Y (Encode)	Y	Y	Y (Encode)	Y	Y	N/A
MDC 1200 Sig. Selective Call	Y (Decode)	Y (Decode)	Y	N/A	N/A	N/A	N/A	N/A	N/A	Y (Decode)	Y	Y	N/A
MDC 1200 Sig. Status Messages	N/A	N/A	Y (Encode)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y (Encode)	Y (Encode)	N/A
MDC 1200 Sig. Radio Check	Y (Decode)	Y (Decode)	Y (Decode)	N/A	N/A	N/A	N/A	N/A	N/A	Y (Decode)	Y	Y	N/A
MDC 1200 Sig. Remote Monitor	Y (Decode)	Y (Decode)	Y	N/A	N/A	N/A	N/A	N/A	N/A	Y (Decode)	Y	Y	N/A
MDC 1200 Sig Radio Inhibit	Y (Decode)	Y (Decode)	Y (Decode)	N/A	N/A	N/A	N/A	N/A	N/A	Y (Decode)	Y (Decode)	Y (Decode)	N/A
Quik-Call II Signaling	Y (Decode)	Y (Decode)	Y	Y (Decode)	Y (Decode)	Y	Y (Decode)	Y	Y	Y (Decode)	Y	Y	N/A
Scan	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N/A
Scan (Mixed Mode - Analog/Digital Channels)	Y	Y	Y	Y	Y	Y	y	y	y	Y	Y	Y	N/A
Scan (Operator Selectable On/Off)	Y	Y	Y	Y	Y	Y	y	y	y	Y	Y	Y	N/A
Scan with Dual Priority Levels	Y	Y	Y	Y	Y	Y	y	y	y	Y	Y	Y	N/A
Talk Around	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N/A
Transmit Interrupt	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VOX (Voice Operated Transmit)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N/A
X-Pand Companding Audio Enhancement	Y	Y	Y	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	N/A
Digital Conventional	**Optional**	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
All-Call	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Automatic Site Roaming *	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bluetooth Audio	N/A	N/A	N/A	N/A	Optional	Optional	Optional	Optional	Optional	Y	Y	N/A	Y
Bluetooth Data	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Optional	Optional	N/A	Y
Call Alert	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Dual Capacity Direct Mode (6.25e Direct)	Y	Y	Y	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	Y
DTMF Hot Keypad	Y	N/A	N/A	N/A	N/A	Y	N/A	Y	Y	N/A	Y	Y	Y
Emergency	N/A	Y (Encode)	Y	N/A	Y (Encode)	Y	Y (Encode)	Y	Y	Y (Encode)	Y	Y	Y
Escalert Tone	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
GPS	N/A	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	N
Group Call	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Home Channel Revert	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y
Intelligent Audio RX volume control	N/A	Y	Y	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	Y
Lone Worker	N/A	Y	Y	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
Man Down	N/A	N/A	N/A	N/A	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	N/A
Multi-group Call	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
One Touch Access	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Privacy (Basic)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Privacy (Enhanced)	N/A	Optional	Optional	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y

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PRODUCT COMPARISON MATRIX
MOTOTRBO PORTABLES

	CP200d	XPR 3300	XPR 3500	XPR 6100	XPR 6350	XPR 6550	XPR6380	XPR6580	XPR 6580 IS Canada Only	XPR 7350 XPR 7380	XPR 7550 XPR 7580	XPR7550IS Canada Only	SL 7550 SL7580 SL7590
Digital Conventional (Continuation)	**Optional**	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Private Call	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
PTT-ID and Aliasing	Y (Encode)	Y (Encode)	Y	Y (Encode)	Y (Encode)	Y	Y (Encode)	Y	Y	Y (Encode)	Y	Y	Y
Radio Check	Y (Decode)	Y (Decode)	Y	Y (Decode)	Y (Decode)	Y	Y (Decode)	Y	Y	Y (Decode)	Y	Y	Y
Radio Enable / Disable	Y (Decode)	Y (Decode)	Y (Decode)	Y (Decode)	Y (Decode)	Y	Y (Decode)	Y	Y	Y (Decode)	Y	Y	Y
Remote Monitor	Y (Decode)	Y (Decode)	Y (Decode)	Y (Decode)	Y (Decode)	Y	Y (Decode)	Y	Y	Y (Decode)	Y	Y	Y
Restricted Access to System (RAS)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Scan	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Scan (Mixed Mode - Analog/Digital Channels)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N/A
Scan (Operator Selectable On/Off)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Scan with Dual Priority Levels	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Talk Around	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Telemetry	N/A	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	N/a
Telephone Interconnect *	N/A	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
Text Messaging	N/A	N/A	N/A	N/A	Y (Send only)	Y	Y (Send only)	Y	Y	Y (Send only)	Y	Y	Y
Transmit Interrupt	Y (Decode)	Optional	Optional	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
User Priority Levels *	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Voice Announcement	Y	Y	Y	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	Y
VOX (Voice Operated Transmit)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
* Not available in Dual Capacity Direct Mode													
IP Site Connect	**N/A**	**Optional**	**Optional**	**N/A**	✓	✓	✓	✓	✓	✓	✓	✓	✓
All-Call	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Automatic Site Roaming	N/A	Y	Y	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
Bluetooth Audio	N/A	N/A	N/A	Optional	Optional	Optional	Optional	Optional	Optional	Y	Y	N/A	Y
Bluetooth Data	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Optional	Optional	N/A	Optional
Busy Queuing and Call Back	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Call Alert	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
DTMF Hot Keypad	N/A	N/A	N/A	N/A	N/A	Y	N/A	Y	Y	N/A	Y	Y	Y
Emergency	N/A	Y(Encode)	Y	N/A	Y (Encode)	Y	Y (Encode)	Y	Y	Y (Encode)	Y	Y	Y
Escalert Tone	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
GPS	N/A	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	N/A
Group Call	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Home Channel Revert	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y
Intelligent Audio RX volume control	N/A	Y	Y	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	Y
Lone Worker	Y	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
Man Down	N/A	N/A	N/A	N/A	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	N/A
Multi-group Call	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
One Touch Access	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Privacy (Basic)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Privacy (Enhanced)	N/A	Optional	Optional	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
Private Call	Y	Y	Y	Unconfirmed Only	Y	Y	Y	Y	Y	Y	Y	Y	Y
PTT-ID and Aliasing	Y (Encode)	Y (Encode)	Y	Y (Encode)	Y (Encode)	Y	Y (Encode)	Y	Y	Y (Encode)	Y	Y	Y
Radio Check	Y (Decode)	Y	Y	Y (Decode)	Y (Decode)	Y	Y (Decode)	Y	Y	Y (Decode)	Y	Y	Y
Radio Enable / Disable	Y (Decode)	Y (Decode)	Y (Decode)	Y (Decode)	Y (Decode)	Y	Y (Decode)	Y	Y	Y (Decode)	Y	Y	Y
Remote Monitor	Y (Decode)	Y (Decode)	Y (Decode)	Y (Decode)	Y (Decode)	Y	Y (Decode)	Y	Y	Y (Decode)	Y	Y	Y
Restricted Access to System (RAS)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Scan	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Scan (Mixed Mode - Analog/Digital Channels)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N/A
Scan (Operator Selectable On/Off)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Scan with Dual Priority	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Site Lock/Roam Request	N/A	Y	Y	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
Talk Around	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Telemetry	N/A	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	N/A
Telephone Interconnect	N/A	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
Text Messaging	N/A	N/A	N/A	N/A	Y (Send only)	Y	Y (Send only)	Y	Y	Y (Send only)	Y	Y	Y
Transmit Interrupt	Y (Decode)	Optional	Optional	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
User Priority Levels	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Voice Announcement	Y	Y	Y	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	Y
VOX (Voice Operated Transmit)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

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PRODUCT COMPARISON MATRIX
MOTOTRBO PORTABLES

	CP200d	XPR 3300	XPR 3500	XPR 6100	XPR 6350	XPR 6550	XPR6380	XPR6580	XPR 6580 IS Canada Only	XPR 7350 XPR 7380	XPR 7550 XPR 7580	XPR7550IS Canada Only	SL 7550 SL7580 SL7590
Capacity Plus Trunking (Single Site)	**N/A**	**Optional**	**Optional**	**N/A**	✓	✓	✓	✓	✓	✓	✓	✓	✓
All-Call	N/A	Y	Y	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
Automatic Site Roaming	N/A	LCP only	LCP only	N/A	LCP only	LCP only	LCP only	LCP only	LCP only	LCP only	LCP only	LCP only	LCP only
Bluetooth Audio	N/A	N/A	N/A	N/A	Optional	Optional	Optional	Optional	Optional	Y	Y	N/A	Y
Bluetooth Data	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Optional	Optional	N/A	Y
Busy Queuing and Call Back	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Call Alert	N/A	Y	Y	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
DTMF Hot Keypad	N/A	N/A	N/A	N/A	N/A	Y	N/A	Y	Y	N/A	Y	Y	Y
Emergency	N/A	Y (Encode)	Y	N/A	Y (Encode)	Y	Y (Encode)	Y	Y	Y (Encode)	Y	Y	Y
Escalert Tone	N/A	Y	Y	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
GPS	N/A	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	N/A
Group Call	N/A	Y	Y	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
Home Talkgroup Revert	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y
Intelligent Audio RX volume control	N/A	Y	Y	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	Y
Lone Worker	N/A	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
Linked Capacity Plus (Multi-site)	N/A	Optional	Optional	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
Man Down	N/A	N/A	N/A	N/A	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	N/A
Multi-group Call	N/A	Y	Y	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
One Touch Access	N/A	Y	Y	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
Privacy (Basic)	N/A	Y	Y	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
Privacy (Enhanced)	N/A	Optional	Optional	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
Private Call	N/A	Y	Y	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
PTT-ID and Aliasing	N/A	Y (Encode)	Y	N/A	Y (Encode)	Y	Y (Encode)	Y	Y	Y (Encode)	Y	Y	Y
Radio Check	N/A	Y (Decode)	Y	N/A	Y (Decode)	Y	Y (Decode)	Y	Y	Y (Decode)	Y	Y	Y
Radio Enable / Disable	N/A	Y (Decode)	Y (Decode)	N/A	Y (Decode)	Y	Y (Decode)	Y	Y	Y (Decode)	Y	Y	Y
Remote Monitor	N/A	Y (Decode)	Y (Decode)	N/A	Y (Decode)	Y	Y (Decode)	Y	Y	Y (Decode)	Y	Y	Y
Restricted Access to System (RAS)	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Scan (Groups)	N/A	Y	Y	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
Scan (Mixed Mode - Analog/Digital Channels)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Scan (Operator Selectable On/Off)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Scan with Dual Priority	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Talk Around	N/A	Y	Y	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
Telemetry	N/A	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	N/A
Telephone Interconnect	N/A	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Future
Text Messaging	N/A	N/A	N/A	N/A	Y (Send Only)	Y	Y (Send Only)	Y	Y	Y (Send Only)	Y	Y	Y
Transmit Interrupt	N/A	Optional	Optional	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
User Priority Levels	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Voice Announcement	N/A	Y	Y	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	Y
VOX (Voice Operated Transmit)	N/A	Y	Y	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y

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PRODUCT COMPARISON MATRIX
MOTOTRBO PORTABLES

	CP200d	XPR 3300	XPR 3500	XPR 6100	XPR 6350	XPR 6550	XPR6380	XPR6580	XPR 6580 IS Canada Only	XPR 7350 XPR 7380	XPR 7550 XPR 7580	XPR7550IS Canada Only	SL 7550 SL7580 SL7590
Connect Plus Trunking	**N/A**	**N/A**	**N/A**	**N/A**	✓	✓	✓	✓	✓	✓	✓	✓	✓
All-Call (Network)	N/A	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
All-Call (Site)	N/A	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
Automatic Site Registration	N/A	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
Automatic Site Roaming	N/A	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
Bluetooth Audio	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A	Y
Busy Queuing and Call Back	N/A	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
Call Alert	N/A	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
DTMF Hot Keypad	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dynamic Site Assignment	N/A	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
Emergency	N/A	N/A	N/A	N/A	Y (Encode)	Y	Y (Encode)	Y	Y	Y (Encode)	Y	Y	Y
Escalert Tone	N/A	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
ESN system Access Verification	N/A	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
Failsoft Operation	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
GPS	N/A	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	N/A
Group Call	N/A	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
Home Channel Revert	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lone Worker	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Down	N/A	N/A	N/A	N/A	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Multi-group Call	N/A	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
One Touch Access	N/A	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
Over-the Air Programming	N/A	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
Privacy (Basic)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Privacy (Enhanced)	N/A	N/A	N/A	N/A	YES	YES	YES	YES	YES	YES	YES	YES	YES
Private Call	N/A	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
PTT-ID and Aliasing	N/A	N/A	N/A	N/A	Y (Encode)	Y	Y (Encode)	Y	Y	Y (Encode)	Y	Y	Y
Radio Check	N/A	N/A	N/A	N/A	Y (Decode)	Y	Y (Decode)	Y	Y	Y (Decode)	Y	Y	Y
Radio Enable / Disable	N/A	N/A	N/A	N/A	Y (Decode)	Y	Y (Decode)	Y	Y	Y (Decode)	Y	Y	Y
Remote Monitor	N/A	N/A	N/A	N/A	Y (Decode)	Y	Y (Decode)	Y	Y	Y (Decode)	Y	Y	Y
Scan (Group)	N/A	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
Scan (Mixed Mode - Analog/Digital Channels)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Scan (Operator Selectable On/Off)	N/A	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
Scan with Dual Priority	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Site Lock/Roam Request	N/A	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
Talk Around	N/A	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
Telemetry	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Telephone Interconnect	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Text Messaging	N/A	N/A	N/A	N/A	Y (Send Only)	Y	Y (Send Only)	Y	Y	Y (Send Only)	Y	Y	Y
Transmit Interrupt	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
User Priority Levels	N/A	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y
VOX (Voice Operated Transmit)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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PRODUCT COMPARISON MATRIX
MOTOTRBO PORTABLES

	CP200d	XPR 3300	XPR 3500	XPR 6100	XPR 6350	XPR 6550	XPR6380	XPR6580	XPR 6580 IS Canada Only	XPR 7350 XPR 7380	XPR 7550 XPR 7580	XPR7550IS Canada Only	SL 7550 SL7580 SL7590
SMARTNET/Privacy Plus Trunking	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	✓	✓	✓	**N/A**	**N/A**	**N/A**	**N/A**
All-Call	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	N/A	N/A	N/A	N/A
Announcement Group (ATG) Call	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	N/A	N/A	N/A	N/A
Automatic Site Registration (SmartZone)	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	N/A	N/A	N/A	N/A
Automatic Site Roaming (SmartZone)	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	N/A	N/A	N/A	N/A
Bluetooth Audio	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Busy Queuing and Call Back	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	N/A	N/A	N/A	N/A
Call Alert	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	N/A	N/A	N/A	N/A
Companding/Hear Clear Audio Enhancement	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	N/A	N/A	N/A	N/A
DTMF Hot Keypad	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	N/A	N/A	N/A	N/A
Dynamic Regrouping	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	N/A	N/A	N/A	N/A
Dynamic Site Assignment (SmartZone)	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	N/A	N/A	N/A	N/A
Emergency	N/A	N/A	N/A	N/A	N/A	N/A	Y (Encode)	Y	Y	N/A	N/A	N/A	N/A
Escalert Tone	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	N/A	N/A	N/A	N/A
ESN system Access Verification	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Failsoft Operation	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	N/A	N/A	N/A	N/A
GPS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Group Call	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	N/A	N/A	N/A	N/A
Home Channel Revert	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lone Worker	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Down	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Max. # of Talkgroups per Zone	N/A	N/A	N/A	N/A	N/A	N/A	16	16	16	N/A	N/A	N/A	N/A
Max. # of Trunked Personalities	N/A	N/A	N/A	N/A	N/A	N/A	32	240	240	N/A	N/A	N/A	N/A
Max. # of Trunked Systems	N/A	N/A	N/A	N/A	N/A	N/A	20	20	20	N/A	N/A	N/A	N/A
Max. # of Zones	N/A	N/A	N/A	N/A	N/A	N/A	2	130	130	N/A	N/A	N/A	N/A
Message/Transmission Trunking	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	N/A	N/A	N/A	N/A
Multi-group Call	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	N/A	N/A	N/A	N/A
One Touch Access	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	N/A	N/A	N/A	N/A
Privacy (Basic)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Privacy (Enhanced)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Private Call	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	N/A	N/A	N/A	N/A
PTT-ID and Aliasing	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	N/A	N/A	N/A	N/A
Radio Check	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	N/A	N/A	N/A	N/A
Radio Enable / Disable (Sel. Radio Inhibit)	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	N/A	N/A	N/A	N/A
Remote Monitor	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Scan (Group)	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	N/A	N/A	N/A	N/A
Scan (Mixed Mode - Analog/Digital Channels)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Scan (Operator Selectable On/Off)	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	N/A	N/A	N/A	N/A
Scan with Dual Priority	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	N/A	N/A	N/A	N/A
Site Lock/Roam Request (SmartZone)	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	N/A	N/A	N/A	N/A
SmartZone Operation	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	N/A	N/A	N/A	N/A
Status/Message	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	N/A	N/A	N/A	N/A
Talk Around	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	N/A	N/A	N/A	N/A
Telemetry	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Telephone Interconnect	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	N/A	N/A	N/A	N/A
Text Messaging	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Transmit Interrupt	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Type I, Ii (hybrid) Operation	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Type II Operation	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	N/A	N/A	N/A	N/A
User Priority Levels	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	Y	N/A	N/A	N/A	N/A
VOX (Voice Operated Transmit)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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PRODUCT COMPARISON MATRIX
MOTOTRBO PORTABLES

	CP200d	XPR 3300	XPR 3500	XPR 6100	XPR 6350	XPR 6550	XPR6380	XPR6580	XPR 6580 IS Canada Only	XPR 7350 XPR 7380	XPR 7550 XPR 7580	XPR7550IS Canada Only	SL 7550 SL7580 SL7590
LTR/PassPort Trunking (Analog)	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	✓	**N/A**	✓	✓	**N/A**	✓	✓	**N/A**
Max. # of Groups	N/A	N/A	N/A	N/A	N/A	255	N/A	255	255	N/A	255	255	N/A
Max. # of Trunked Systems	N/A	N/A	N/A	N/A	N/A	255	N/A	255	255	N/A	255	255	N/A
LTR													
Bluetooth Audio	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A
Busy Queuing and Call Back	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
GPS (TrAVL data)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MDC 1200 Sig. Call Alert	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MDC 1200 Sig. Emergency	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MDC 1200 Sig. PTT-ID	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Scan (Group)	N/A	N/A	N/A	N/A	N/A	Y	N/A	Y	Y	N/A	Y	Y	N/A
Scan (LTR and Conventional- option board)	N/A	N/A	N/A	N/A	N/A	Y	N/A	Y	Y	N/A	Y	Y	N/A
Scan (Operator Selectable On/Off)	N/A	N/A	N/A	N/A	N/A	Y	N/A	Y	Y	N/A	Y	Y	N/A
Scan with Priority	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
X-Pand Companding Audio Enhancement	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Classic PassPort													
All Call	N/A	N/A	N/A	N/A	N/A	Y	N/A	Y	Y	N/A	Y	Y	N/A
Automatic Site Registration	N/A	N/A	N/A	N/A	N/A	Y	N/A	Y	Y	N/A	Y	Y	N/A
Automatic Site Roaming	N/A	N/A	N/A	N/A	N/A	Y	N/A	Y	Y	N/A	Y	Y	N/A
Band 5B Frequency Assignments	N/A	N/A	N/A	N/A	N/A	Y	N/A	Y	Y	N/A	N/A	N/A	N/A
Bluetooth Audio	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A
Busy Queuing and Call Back	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Call Alert	N/A	N/A	N/A	N/A	N/A	Y	N/A	Y	Y	N/A	Y	Y	N/A
Direct Frequency Assignment	N/A	N/A	N/A	N/A	N/A	Y	N/A	Y	Y	N/A	Y	Y	N/A
Escalert Tone	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ESN System Access Verification	N/A	N/A	N/A	N/A	N/A	Y	N/A	Y	Y	N/A	Y	Y	N/A
Failsoft Operation	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
GPS (TrAVL data)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Group Call	N/A	N/A	N/A	N/A	N/A	Y	N/A	Y	Y	N/A	Y	Y	N/A
Home Channel Revert	N/A	N/A	N/A	N/A	N/A	Y	N/A	Y	Y	N/A	Y	Y	N/A
Home System Lookback	N/A	N/A	N/A	N/A	N/A	Y	N/A	Y	Y	N/A	Y	Y	N/A
Lone Worker	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Down	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Multi-group Call	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Neighbor List DFA	N/A	N/A	N/A	N/A	N/A	Y	N/A	Y	Y	N/A	Y	Y	N/A
Privacy (Basic)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Privacy (Enhanced)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Private (Selective) Call	N/A	N/A	N/A	N/A	N/A	Y	N/A	Y	Y	N/A	Y	Y	N/A
PTT-ID (MIN View)	N/A	N/A	N/A	N/A	N/A	Y	N/A	Y	Y	N/A	Y	Y	N/A
Scan (Group)	N/A	N/A	N/A	N/A	N/A	Y	N/A	Y	Y	N/A	Y	Y	N/A
Scan (Mixed Mode - Analog/Digital Channels)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Scan (Operator Selectable On/Off)	N/A	N/A	N/A	N/A	N/A	Y	N/A	Y	Y	N/A	Y	Y	N/A
Scan with Dual Priority	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Site Lock/Roam Request	N/A	N/A	N/A	N/A	N/A	Y	N/A	Y	Y	N/A	Y	Y	N/A
Stun/Kill	N/A	N/A	N/A	N/A	N/A	Y	N/A	Y	Y	N/A	Y	Y	N/A
Talk Around	N/A	N/A	N/A	N/A	N/A	Y	N/A	Y	Y	N/A	Y	Y	N/A
Telephone Interconnect	N/A	N/A	N/A	N/A	N/A	Y	N/A	Y	Y	N/A	Y	Y	N/A
Text Messaging	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Transmit Interrupt	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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PRODUCT COMPARISON MATRIX
MOTOTRBO PORTABLES

	CP200d	XPR 3300	XPR 3500	XPR 6100	XPR 6350	XPR 6550	XPR6380	XPR6580	XPR 6580 IS Canada Only	XPR 7350 XPR 7380	XPR 7550 XPR 7580	XPR7550IS Canada Only	SL 7550 SL7580 SL7590
Classic PassPort (Continuation)													
VOX (Voice Operated Transmit)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
X-Pand Companding Audio Enhancement	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Enhanced PassPort (Additional Features)													
Channel Backup	N/A	N/A	N/A	N/A	N/A	Y	N/A	Y	Y	N/A	Y	Y	N/A
Emergency	N/A	N/A	N/A	N/A	N/A	Y	N/A	Y	Y	N/A	Y	Y	N/A
Message Trunking	N/A	N/A	N/A	N/A	N/A	Y	N/A	Y	Y	N/A	Y	Y	N/A
Selective Call Across Talkgroups	N/A	N/A	N/A	N/A	N/A	Y	N/A	Y	Y	N/A	Y	Y	N/A
User Priority Access Levels	N/A	N/A	N/A	N/A	N/A	Y	N/A	Y	Y	N/A	Y	Y	N/A

GENERAL NOTES

* MOTOTRBO subscriber features are based on the latest radio firmware, option board firmware and CPS versions.
* Online version of the MOTOTRBO Feature Matrix is available in Motorola Online (Resource Center/Product Information/Two-Way Product Comparison Matrices).
* Some features may require additional infrastructure equipment or licensing (i.e. GPS, Telephone Interconnect, Capacity Plus)
* Please refer to MOTOTRBO System Planners for more details on features or contact Motorola Solutions Customer Service at 1-800-927-2744.
* Table entry Y = Available.
* Table entry N/A = Not Available or Not Applicable.
* Table entry = Optional. Feature requires additional hardware and/or software license.

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PRODUCT COMPARISON MATRIX
MOTOTRBO MOBILES

	CM200d	CM300d	XPR 2500	XPR 4350	XPR 4550	XPR4380	XPR 4580	XPR 5350	XPR 5550
General									
Control Station Operation	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y
Display	Monochrome 2-Digit Numeric	Monochrome 16-character Alpha-numeric	Monochrome 16-character Alpha-numeric	Monochrome 2-Digit Numeric	Monochrome 16-character Alpha-numeric	Monochrome 2-Digit Numeric	Monochrome 16-character Alpha-numeric	Monochrome 2-Digit Numeric	5 line Color 16-char/line Alpha-numeric
Enhanced Keypad Microphone	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Expansion Card Capable	N/A	N/A	N/A	Optional	Optional	Included	Included	Included	Included
Frequency Bands	UHF and VHF	UHF and VHF	UHF and VHF	UHF and VHF	UHF and VHF	800-900 MHz	800-900 MHz	UHF and VHF	UHF and VHF
Max. # of Channels	16 (CM200d) 99 (CM300d)	16 (CM200d) 99 (CM300d)	128	32	1000	32	1000	32	1000
Max. # of Zones	1	25	25	2	250	2	250	2	250
Password Lock	Y	Y	Y	Y	Y	Y	Y	Y	Y
Power Output	1-25 W (U/V) 25-40 W (U) 25-45 W (V)	1-25 W (U/V) 25-40 W (U) 25-45 W (V)	1-25 W (U/V) 25-40 W (U) 25-45 W (V)	1-25 W (U/V) 25-40 W (U) 25-45 W (V)	1-25 W (U/V) 25-40 W (U) 25-45 W (V)	10-35 W (800) 10-30 W (900)	10-35 W (800) 10-30 W (900)	1-25 W (U/V) 25-40 W (U) 25-45 W (V)	1-25 W (U/V) 25-40 W (U) 25-45 W (V)
Remount Mount	N/A	N/A	N/A	Optional	Optional	Optional	Optional	N/A	N/A
Third Party Applications	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y
Analog Conventional	✓	✓	✓	✓	✓	✓	✓	✓	✓
12.5 /25 KHz Channel Bandwith	12.5KHz only *	12.5KHz only *	12.5KHz only *	Y	Y	Y	Y	12.5KHz only *	12.5KHz only *
And/Or Signaling Squelch in MDC 1200	Y	Y	Y	N/A	N/A	N/A	N/A	N/A	N/A
And/Or Signaling Squelch in Quik-Call II	Y	Y	Y	Y	Y	Y	Y	Y	Y
Bluetooth Audio	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y
CSQ/TPL/DPL Squelch Type	Y	Y	Y	Y	Y	Y	Y	Y	Y
DTMF Hot Keypad (via Enhanced Keypad Microphone)	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Escalert Tone	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Intelligent Audio RX volume control	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lone Worker	Y	Y	Y	Y	Y	Y	Y	Y	Y
Man Down	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MDC 1200 Sig. Call Alert	Y (Decode)	Y	Y	Y	Y	Y	Y	Y	Y
MDC 1200 Sig. Emergency	Y (Encode)	Y	Y	Y (Encode)	Y	Y (Encode)	Y	Y (Encode)	Y
MDC 1200 Sig. Selective Call	Y (Decode)	Y	Y	N/A	N/A	N/A	N/A	Y (Decode)	Y
MDC 1200 Sig. Status Messages	N/A	Y (Encode)	Y (Encode)	N/A	N/A	N/A	N/A	N/A	Y (Encode)
MDC 1200 Sig. Radio Check	Y (Decode)	Y	Y	N/A	N/A	N/A	N/A	Y (Decode)	Y
MDC 1200 Sig. Remote Monitor	Y (Decode)	Y	Y	N/A	N/A	N/A	N/A	Y (Decode)	Y
MDC 1200 Sig. PTT-ID	Y (Encode)	Y	Y	Y (Encode)	Y	Y (Encode)	Y	Y (Encode)	Y
MDC 1200 Sig Radio Inhibit	Y (Decode)	Y (Decode)	Y (Decode)	N/A	N/A	N/A	N/A	Y (Decode)	Y (Decode)
Quik-Call II Signaling	Y (Decode)	Y	Y	Y (Decode)	Y	Y (Decode)	Y	Y (Decode)	Y
Scan	Y	Y	Y	Y	Y	Y	Y	Y	Y
Scan (Mixed Mode - Analog/Digital Channels)	Y	Y	Y	Y	Y	y	y	Y	Y
Scan (Operator Selectable On/Off)	Y	Y	Y	Y	Y	y	y	Y	Y
Scan with Dual Priority Levels	Y	Y	Y	Y	Y	y	y	Y	Y
Talk Around	Y	Y	Y	Y	Y	Y	Y	Y	Y
Transmit Interrupt	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Voice Announcement	Y	Y	Y	N/A	N/A	N/A	N/A	Y	Y
VOX (Voice Operated Transmit)	Y	Y	Y	Y	Y	Y	Y	Y	Y
X-Pand Companding Audio Enhancement	Y	Y	Y	N/A	N/A	N/A	N/A	Y	Y
Digital Conventional	**Optional**	**Optional**	✓	✓	✓	✓	✓	✓	✓
All-Call	Y	Y	Y	Y	Y	Y	Y	Y	Y
Automatic Site Roaming *	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bluetooth Audio	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y
Bluetooth Data	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Optional	Optional
Busy Queuing and Call Back *	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Call Alert	Y	Y	Y	Y	Y	Y	Y	Y	Y

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PRODUCT COMPARISON MATRIX
MOTOTRBO MOBILES

	CM200d	CM300d	XPR 2500	XPR 4350	XPR 4550	XPR4380	XPR 4580	XPR 5350	XPR 5550
Digital Conventional (Continuation)	**Optional**	**Optional**	✓	✓	✓	✓	✓	✓	✓
DTMF Hot Keypad (via Enhanced Keypad Microphone)	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Dual Capacity Direct Mode (6.25e Direct)	Y	Y	Y	N/A	N/A	N/A	N/A	Y	Y
Emergency	N/A	N/A	Y	Y (Encode)	Y	Y (Encode)	Y	Y (Encode)	Y
Escalert Tone	Y	Y	Y	Y	Y	Y	Y	Y	Y
GPS	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y
Group Call	Y	Y	Y	Y	Y	Y	Y	Y	Y
Home Channel Revert	Y	Y	Y	Y	Y	Y	Y	Y	Y
Horn/Lights (Alarm)	Y	Y	Y	Y	Y	Y	Y	Y	Y
Intelligent Audio RX volume control	N/A	N/A	Y	N/A	N/A	N/A	N/A	Y	Y
Lone Worker	N/A	N/A	Y	Y	Y	Y	Y	Y	Y
Multi-group Call	Y	Y	Y	Y	Y	Y	Y	Y	Y
One Touch Access	Y	Y	Y	Y	Y	Y	Y	Y	Y
Privacy (Basic)	Y	Y	Y	Y	Y	Y	Y	Y	Y
Privacy (Enhanced)	N/A	N/A	Optional	Y	Y	Y	Y	Y	Y
Private Call	Y	Y	Y	Y	Y	Y	Y	Y	Y
PTT-ID and Aliasing	Y (Encode)	Y	Y	Y (Encode)	Y	Y (Encode)	Y	Y (Encode)	Y
Radio Check	Y (Decode)	Y (Decode)	Y	Y (Decode)	Y	Y (Decode)	Y	Y (Decode)	Y
Radio Enable / Disable	Y (Decode)	Y (Decode)	Y	Y (Decode)	Y	Y (Decode)	Y	Y (Decode)	Y
Remote Monitor	Y (Decode)	Y (Decode)	Y	Y (Decode)	Y	Y (Decode)	Y	Y (Decode)	Y
Restricted Access to System (RAS)	Y	Y	Y	Y	Y	Y	Y	Y	Y
Voice Announcement	Y	Y	Y	N/A	N/A	N/A	N/A	Y	Y
Scan	Y	Y	Y	Y	Y	Y	Y	Y	Y
Scan (Mixed Mode - Analog/Digital Channels)	Y	Y	Y	Y	Y	Y	Y	Y	Y
Scan (Operator Selectable On/Off)	Y	Y	Y	Y	Y	Y	Y	Y	Y
Scan with Dual Priority Levels	Y	Y	Y	Y	Y	Y	Y	Y	Y
Talk Around	Y	Y	Y	Y	Y	Y	Y	Y	Y
Telemetry	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y
Telephone Interconnect *	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y
Text Messaging	N/A	N/A	N/A	Y (Send only)	Y	Y (Send only)	Y	Y (Send only)	Y
Transmit Interrupt	Y (Decode)	Y (Decode)	Optional	Y	Y	Y	Y	Y	Y
User Priority Levels *	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VOX (Voice Operated Transmit)	Y	Y	Y	Y	Y	Y	Y	Y	Y
* Not available in Dual Capacity Direct Mode									
IP Site Connect	**N/A**	**N/A**	**Optional**	✓	✓	✓	✓	✓	✓
All-Call	Y	Y	Y	Y	Y	Y	Y	Y	Y
Automatic Site Roaming	N/A	N/A	Y	Y	Y	Y	Y	Y	Y
Bluetooth Audio	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y
Bluetooth Data	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Optional	Optional
Busy Queuing and Call Back	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Call Alert	Y	Y	Y	Y	Y	Y	Y	Y	Y
DTMF Hot Keypad (via Enhanced Keypad Microphone)	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Emergency	N/A	N/A	Y	Y (Encode)	Y	Y (Encode)	Y	Y (Encode)	Y
Escalert Tone	Y	Y	Y	Y	Y	Y	Y	Y	Y
GPS	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y
Group Call	Y	Y	Y	Y	Y	Y	Y	Y	Y
Home Channel Revert	Y	Y	Y	Y	Y	Y	Y	Y	Y
Horn/Lights (Alarm)	Y	Y	Y	Y	Y	Y	Y	Y	Y
Intelligent Audio RX volume control	N/A	N/A	Y	N/A	N/A	N/A	N/A	Y	Y
Lone Worker	N/A	N/A	Y	Y	Y	Y	Y	Y	Y
Multi-group Call	Y	Y	Y	Y	Y	Y	Y	Y	Y
One Touch Access	Y	Y	Y	Y	Y	Y	Y	Y	Y
Privacy (Basic)	Y	Y	Y	Y	Y	Y	Y	Y	Y
Privacy (Enhanced)	N/A	N/A	Optional	Y	Y	Y	Y	Y	Y
Private Call	Y	Y	Y	Y	Y	Y	Y	Y	Y
PTT-ID and Aliasing	Y (Encode)	Y	Y	Y (Encode)	Y	Y (Encode)	Y	Y (Encode)	Y

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MOTOTRBO MOBILES

	CM200d	CM300d	XPR 2500	XPR 4350	XPR 4550	XPR4380	XPR 4580	XPR 5350	XPR 5550
IP Site Connect (Continuation)	**N/A**	**N/A**	**Optional**	✓	✓	✓	✓	✓	✓
Radio Check	Y (Decode)	Y (Decode)	Y	Y (Decode)	Y	Y (Decode)	Y	Y (Decode)	Y
Radio Enable / Disable	Y (Decode)	Y (Decode)	Y	Y (Decode)	Y	Y (Decode)	Y	Y (Decode)	Y
Remote Monitor	Y (Decode)	Y (Decode)	Y	Y (Decode)	Y	Y (Decode)	Y	Y (Decode)	Y
Restricted Access to System (RAS)	Y	Y	Y	Y	Y	Y	Y	Y	Y
Scan	Y	Y	Y	Y	Y	Y	Y	Y	Y
Scan (Mixed Mode - Analog/Digital Channels)	Y	Y	Y	Y	Y	Y	Y	Y	Y
Scan (Operator Selectable On/Off)	Y	Y	Y	Y	Y	Y	Y	Y	Y
Scan with Dual Priority	Y	Y	Y	Y	Y	Y	Y	Y	Y
Site Lock/Roam Request	N/A	N/A	Y	Y	Y	Y	Y	Y	Y
Talk Around	Y	Y	Y	Y	Y	Y	Y	Y	Y
Telemetry	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y
Telephone Interconnect	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y
Text Messaging	N/A	N/A	N/A	Y (Send only)	Y	Y (Send only)	Y	Y (Send only)	Y
Transmit Interrupt	Y (Decode)	Y (Decode)	Optional	Y	Y	Y	Y	Y	Y
User Priority Levels	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Voice Announcement	Y	Y	Y	N/A	N/A	N/A	N/A	Y	Y
VOX (Voice Operated Transmit)	Y	Y	Y	Y	Y	Y	Y	Y	Y
Capacity Plus Trunking (Single Site)	**N/A**	**N/A**	**Optional**	✓	✓	✓	✓	✓	✓
All-Call	N/A	N/A	Y	Y	Y	Y	Y	Y	Y
Automatic Site Roaming	N/A	N/A	LCP only	LCP only	LCP only	LCP only	LCP only	LCP only	LCP only
Bluetooth Audio	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y
Bluetooth Data	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Optional	Optional
Busy Queuing and Call Back	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Call Alert	N/A	N/A	Y	Y	Y	Y	Y	Y	Y
DTMF Hot Keypad (via Enhanced Keypad Microphone)	N/A	N/A	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Emergency	N/A	N/A	Y	Y (Encode)	Y	Y (Encode)	Y	Y (Encode)	Y
Escalert Tone	N/A	N/A	Y	Y	Y	Y	Y	Y	Y
GPS	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y
Group Call	N/A	N/A	Y	Y	Y	Y	Y	Y	Y
Home Talkgroup Revert	N/A	N/A	Y	Y	Y	Y	Y	Y	Y
Horn/Lights (Alarm)	N/A	N/A	Y	Y	Y	Y	Y	Y	Y
Intelligent Audio RX volume control	N/A	N/A	Y	N/A	N/A	N/A	N/A	Y	Y
Linked Capacity Plus (Multi-site)	N/A	N/A	Optional	Y	Y	Y	Y	Y	Y
Lone Worker	N/A	N/A	Y	Y	Y	Y	Y	Y	Y
Multi-group Call	N/A	N/A	Y	Y	Y	Y	Y	Y	Y
One Touch Access	N/A	N/A	Y	Y	Y	Y	Y	Y	Y
Privacy (Basic)	N/A	N/A	Y	Y	Y	Y	Y	Y	Y
Privacy (Enhanced)	N/A	N/A	Optional	Y	Y	Y	Y	Y	Y
Private Call	N/A	N/A	Y	Y	Y	Y	Y	Y	Y
PTT-ID and Aliasing	N/A	N/A	Y	Y (Encode)	Y	Y (Encode)	Y	Y (Encode)	Y
Radio Check	N/A	N/A	Y	Y (Decode)	Y	Y (Decode)	Y	Y (Decode)	Y
Radio Enable / Disable	N/A	N/A	Y	Y (Decode)	Y	Y (Decode)	Y	Y (Decode)	Y
Remote Monitor	N/A	N/A	Y	Y (Decode)	Y	Y (Decode)	Y	Y (Decode)	Y
Restricted Access to System (RAS)	N/A	N/A	Y	Y	Y	Y	Y	Y	Y
Scan (Groups)	N/A	N/A	Y	Y	Y	Y	Y	Y	Y
Scan (Mixed Mode - Analog/Digital Channels)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Scan (Operator Selectable On/Off)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Scan with Dual Priority	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Talk Around	N/A	N/A	Y	Y	Y	Y	Y	Y	Y
Telemetry	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y
Telephone Interconnect	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y
Text Messaging	N/A	N/A	N/A	Y (Send Only)	Y	Y (Send Only)	Y	Y (Send Only)	Y
Transmit Interrupt	N/A	N/A	Optional	Y	Y	Y	Y	Y	Y
User Priority Levels	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Voice Announcement	N/A	N/A	Y	N/A	N/A	N/A	N/A	Y	Y
VOX (Voice Operated Transmit)	N/A	N/A	Y	Y	Y	Y	Y	Y	Y

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	CM200d	CM300d	XPR 2500	XPR 4350	XPR 4550	XPR4380	XPR 4580	XPR 5350	XPR 5550
Connect Plus Trunking	**N/A**	**N/A**	**N/A**	✓	✓	✓	✓	✓	✓
All-Call (Network)	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y
All-Call (Site)	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y
Automatic Site Registration	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y
Automatic Site Roaming	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y
Bluetooth Support	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y
Busy Queuing and Call Back	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y
Call Alert	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y
DTMF Hot Keypad	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dynamic Site Assignment	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y
Emergency	N/A	N/A	N/A	Y (Encode)	Y	Y (Encode)	Y	Y (Encode)	Y
Escalert Tone	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y
ESN system Access Verification	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y
Failsoft Operation	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
GPS	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y
Group Call	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y
Home Channel Revert	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Horn/Lights (Alarm)	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y
Lone Worker	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Multi-group Call	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y
One Touch Access	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y
Over-the Air Programming	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y
Privacy (Basic)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Privacy (Enhanced)	N/A	N/A	N/A	YES	YES	YES	YES	YES	YES
Private Call	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y
PTT-ID and Aliasing	N/A	N/A	N/A	Y (Encode)	Y	Y (Encode)	Y	Y (Encode)	Y
Radio Check	N/A	N/A	N/A	Y (Decode)	Y	Y (Decode)	Y	Y (Decode)	Y
Radio Enable / Disable	N/A	N/A	N/A	Y (Decode)	Y	Y (Decode)	Y	Y (Decode)	Y
Remote Monitor	N/A	N/A	N/A	Y (Decode)	Y	Y (Decode)	Y	Y (Decode)	Y
Scan (Group)	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y
Scan (Mixed Mode - Analog/Digital Channels)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Scan (Operator Selectable On/Off)	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y
Scan with Dual Priority	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Site Lock/Roam Request	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y
Talk Around	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y
Telemetry	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Telephone Interconnect	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Text Messaging	N/A	N/A	N/A	Y (Send Only)	Y	Y (Send Only)	Y	Y (Send Only)	Y
Transmit Interrupt	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
User Priority Levels	N/A	N/A	N/A	Y	Y	Y	Y	Y	Y
VOX (Voice Operated Transmit)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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PRODUCT COMPARISON MATRIX
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	CM200d	CM300d	XPR 2500	XPR 4350	XPR 4550	XPR4380	XPR 4580	XPR 5350	XPR 5550
SMARTNET/Privacy Plus Trunking	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	✓	✓	**N/A**	**N/A**
All-Call	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A	N/A
Announcement Group (ATG) Call	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A	N/A
Automatic Site Registration (SmartZone)	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A	N/A
Automatic Site Roaming (SmartZone)	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A	N/A
Bluetooth Audio	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Busy Queuing and Call Back	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A	N/A
Call Alert	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A	N/A
Companding/Hear Clear Audio Enhancement	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A	N/A
DTMF Hot Keypad (via Enhanced Keypad Microphone)	N/A	N/A	N/A	N/A	N/A	Optional	Optional	N/A	N/A
Dynamic Regrouping	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A	N/A
Dynamic Site Assignment (SmartZone)	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A	N/A
Emergency	N/A	N/A	N/A	N/A	N/A	Y (Encode)	Y	N/A	N/A
Escalert Tone	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A	N/A
ESN system Access Verification	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Failsoft Operation	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A	N/A
GPS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Group Call	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A	N/A
Home Channel Revert	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Horn/Lights (Alarm)	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A	N/A
Lone Worker	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Max. # of Talkgroups per Zone	N/A	N/A	N/A	N/A	N/A	16	16	N/A	N/A
Max. # of Trunked Personalities	N/A	N/A	N/A	N/A	N/A	32	240	N/A	N/A
Max. # of Trunked Systems	N/A	N/A	N/A	N/A	N/A	20	20	N/A	N/A
Max. # of Zones	N/A	N/A	N/A	N/A	N/A	2	130	N/A	N/A
Message/Transmission Trunking	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A	N/A
Multi-group Call	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A	N/A
One Touch Access	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A	N/A
Privacy (Basic)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Privacy (Enhanced)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Private Call	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A	N/A
PTT-ID and Aliasing	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A	N/A
Radio Check	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A	N/A
Radio Enable / Disable (Sel. Radio Inhibit)	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A	N/A
Remote Monitor	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Scan (Group)	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A	N/A
Scan (Mixed Mode - Analog/Digital Channels)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Scan (Operator Selectable On/Off)	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A	N/A
Scan with Dual Priority	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A	N/A
Site Lock/Roam Request (SmartZone)	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A	N/A
SmartZone Operation	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A	N/A
Status/Message	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A	N/A
Talk Around	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A	N/A
Telemetry	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Telephone Interconnect	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A	N/A
Text Messaging	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Transmit Interrupt	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Type I, Iii (hybrid) Operation	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Type II Operation	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A	N/A
User Priority Levels	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A	N/A
VOX (Voice Operated Transmit)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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	CM200d	CM300d	XPR 2500	XPR 4350	XPR 4550	XPR4380	XPR 4580	XPR 5350	XPR 5550
LTR/PassPort Trunking	**N/A**	**N/A**	**N/A**	**N/A**	✓	**N/A**	✓	**N/A**	✓
Max. # of Groups	N/A	N/A	N/A	N/A	255	N/A	255	N/A	255
Max. # of Trunked Systems	N/A	N/A	N/A	N/A	255	N/A	255	N/A	255
LTR									
Bluetooth Audio	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Busy Queuing and Call Back	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
GPS (TrAVL data)	N/A	N/A	N/A	N/A	Optional	N/A	Optional	N/A	Optional
MDC 1200 Sig. Call Alert	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MDC 1200 Sig. Emergency	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MDC 1200 Sig. PTT-ID	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Scan (Group)	N/A	N/A	N/A	N/A	Y	N/A	Y	N/A	Y
Scan (LTR and Conventional- option board)	N/A	N/A	N/A	N/A	Y	N/A	Y	N/A	Y
Scan (Operator Selectable On/Off)	N/A	N/A	N/A	N/A	Y	N/A	Y	N/A	Y
Scan with Priority	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
X-Pand Companding Audio Enhancement	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Classic PassPort									
All Call	N/A	N/A	N/A	N/A	Y	N/A	Y	N/A	Y
Automatic Site Registration	N/A	N/A	N/A	N/A	Y	N/A	Y	N/A	Y
Automatic Site Roaming	N/A	N/A	N/A	N/A	Y	N/A	Y	N/A	Y
Band 5B Frequency Assignments	N/A	N/A	N/A	N/A	Y	N/A	Y	N/A	Y
Bluetooth Audio	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y
Busy Queuing and Call Back	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Call Alert	N/A	N/A	N/A	N/A	Y	N/A	Y	N/A	Y
Direct Frequency Assignment	N/A	N/A	N/A	N/A	Y	N/A	Y	N/A	Y
Escalert Tone	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ESN System Access Verification	N/A	N/A	N/A	N/A	Y	N/A	Y	N/A	Y
Failsoft Operation	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
GPS (TrAVL data)	N/A	N/A	N/A	N/A	Optional	N/A	Optional	N/A	Optional
Group Call	N/A	N/A	N/A	N/A	Y	N/A	Y	N/A	Y
Home Channel Revert	N/A	N/A	N/A	N/A	Y	N/A	Y	N/A	Y
Home System Lookback	N/A	N/A	N/A	N/A	Y	N/A	Y	N/A	Y
Horn/Lights (Alarm)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lone Worker	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Multi-group Call	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Neighbor List DFA	N/A	N/A	N/A	N/A	Y	N/A	Y	N/A	Y
Privacy (Basic)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Privacy (Enhanced)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Private (Selective) Call	N/A	N/A	N/A	N/A	Y	N/A	Y	N/A	Y
PTT-ID (MIN View)	N/A	N/A	N/A	N/A	Y	N/A	Y	N/A	Y
Scan (Group)	N/A	N/A	N/A	N/A	Y	N/A	Y	N/A	Y
Scan (Mixed Mode - Analog/Digital Channels)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Scan (Operator Selectable On/Off)	N/A	N/A	N/A	N/A	Y	N/A	Y	N/A	Y
Scan with Dual Priority	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Site Lock/Roam Request	N/A	N/A	N/A	N/A	Y	N/A	Y	N/A	Y
Stun/Kill	N/A	N/A	N/A	N/A	Y	N/A	Y	N/A	Y
Talk Around	N/A	N/A	N/A	N/A	Y	N/A	Y	N/A	Y
Telephone Interconnect	N/A	N/A	N/A	N/A	Y	N/A	Y	N/A	Y
Text Messaging	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Transmit Interrupt	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VOX (Voice Operated Transmit)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
X-Pand Companding Audio Enhancement	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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PRODUCT COMPARISON MATRIX
MOTOTRBO MOBILES

	CM200d	CM300d	XPR 2500	XPR 4350	XPR 4550	XPR4380	XPR 4580	XPR 5350	XPR 5550
Enhanced PassPort (Additional Features)									
Channel Backup	N/A	N/A	N/A	N/A	Y	N/A	Y	N/A	Y
Emergency	N/A	N/A	N/A	N/A	Y	N/A	Y	N/A	Y
Message Trunking	N/A	N/A	N/A	N/A	Y	N/A	Y	N/A	Y
Selective Call Across Talkgroups	N/A	N/A	N/A	N/A	Y	N/A	Y	N/A	Y
User Priority Access Levels	N/A	N/A	N/A	N/A	Y	N/A	Y	N/A	Y

GENERAL NOTES

* MOTOTRBO subscriber features are based on the latest radio firmware, option board firmware and CPS versions.
* Online version of the MOTOTRBO Feature Matrix is available in Motorola Online (Resource Center/Product Information/Two-Way Product Comparison Matrixes).
* Some features may require additional infrastructure equipment or licensing (i.e. GPS, Telephone Interconnect, Capacity Plus)
* Please refer to MOTOTRBO System Planners for more details on features or contact Motorola Solutions Customer Service at 1-800-927-2744.
* Table entry Y = Available.
* Table entry N/A = Not Available or Not Applicable.
* Table entry = Optional. Feature requires additional hardware and/or software license.
* XPR 5350 / XPR 5550 radios have received FCC approval after 1/1/2011 and will only support analog operation at 12.5 kHz configuration. Canadian customers and US based customers who are not impacted by this FCC mandate for Part 90 VHF and UHF frequencies may contact Motorola customer service and request an enablement key to reinstate 25 kHz programming capabilities into the MOTOTRBO CPS. WARNING: It is the responsibility of the FCC licensee to comply with FCC Narrowbanding rules and not apply these international & service tools in a manner that is inconsistent with the Narrowbanding regulations or the directions provided by the manufacturer.

MOTOTRBO PORTABLES AND MOBILES
PROGRAMMABLE BUTTON SELECTIONS

XPR 6350 / XPR 6550 XPR 6380 / XPR 6580	XPR 4350 / XPR 4550 XPR 4380 / XPR 4580	XPR 6350 / XPR 6550 XPR 6380 / XPR 6580	XPR 4350/ XPR 4550 XPR 4380 / XPR 4580	XPR 6380 / XPR 6580	XPR 4380 / XPR 4580	XPR 6550 / XPR 6580	XPR 4550 / XPR 4580
CNV, IPSC, CAP'Y PLUS DIGITAL MOTOTRBO CPS	CNV, IPSC, CAP'Y PLUS DIGITAL MOTOTRBO CPS	CONNECT PLUS DIGITAL CONNECT PLUS OB CPS	CONNECT PLUS DIGITAL CONNECT PLUS OB CPS	SMARTNET/PRIVACY PLUS TYPE II, ANALOG MOTOTRBO CPS	SMARTNET/PRIVACY PLUS TYPE II, ANALOG MOTOTRBO CPS	LTR/PassPort ANALOG winSJITRBO Software (SJI)	LTR/PassPort ANALOG winSJITRBO Software (SJI)
All Alert Tones On/Off	All Alert Tones On/Off	All Alert Tones On/Off	All Alert Tones On/Off	All Alert Tones On/Off	All Alert Tones On/Off	Alert Group Scan	Alert Group Scan
Backlight (Display)	Backlight Intensity (Display)	Backlight (Display)	Backlight (Display)	Backlight Intensity (Display)	Backlight Intensity (Display)	All Group Scan	All Group Scan
Battery Indicator (Non-Display)	Contacts	Beacon On/Off	Beacon On/Off	Call Alert	Call Alert	Disabled	Disabled
Contacts	Emergency On/Off	Beacon Reset	Beacon Reset	Contacts	Contacts	Clear Almanac	Clear Almanac
Emergency On/Off	External PA On/Off	Busy Queue Cancellation	Busy Queue Cancellation	Emergency On/Off	Emergency On/Off	Edit Scan List	Edit Scan List
High/Low Power	High/Low Power	Contacts	Contacts	High/Low Power	External PA On/Off	Emergency	Emergency
Keypad Lock (Display Only)	Horns & Lights On/Off	Emergency On/Off	Emergency On/Off	Keypad Lock (Display Only)	High/Low Power	Forced Roam	Forced Roam
Manual Dial	Manual Dial	High/Low Power	High/Low Power	Message Update	Horns & Lights On/Off	Group Scan	Group Scan
Manual Roam	Manual Roam	Keypad Lock (Display Only)	Horns & Lights On/Off	Nuisance Delete	Keypad Lock (Display Only)	Home 1	Home 1
Monitor	Monitor	Man Down Alarms	Keypad Lock (Display Only)	One Touch Access	Message Update	Home 2	Home 2
Nuisance Delete	Nuisance Delete	Man Down Reset	Man Down Alarms	Phone	Nuisance Delete	Home 3	Home 3
One Touch Access	One Touch Access	Manual Dial	Man Down Reset	Private Call	One Touch Access	Home Lock	Home Lock
Option Board Feature	Option Board Feature	Manual Roam	Manual Dial	Scan On/Off	PA On/Off	PassPort Info	PassPort Info
Phone Call	PA On/Off	One Touch Access	Manual Roam	Site Display	Phone	Power	Power
Phone Manual Dial	Phone Call	Radio Check (Display Only)	One Touch Access	Site Lock On/Off	Private Call	Select Call	Select Call
Privacy On/Off	Phone Manual Dial	Radio Disable (Display Only)	Radio Check (Display Only)	Site Search	Scan On/Off	Site Lock	Site Lock
Radio Check (Display Only)	Privacy On/Off	Radio Enable (Display Only)	Radio Disable (Display Only)	Status Update	Site Display	Strongest Search	Strongest Search
Radio Disable (Display Only)	Radio Check (Display Only)	Remote Monitor (Display Only)	Radio Enable (Display Only)	TX Inhibit	Site Lock On/Off	Telco Mode	Telco Mode
Radio Enable (Display Only)	Radio Disable (Display Only)	Roam Request	Remote Monitor (Display Only)	Unassigned	Site Search	Test Mode	Test Mode
Radio Name (Display Only)	Radio Enable (Display Only)	Scan On/Off	Roam Request	Zone Selection	Status Update		
Radio/Accessory Speaker	Radio Name (Display Only)	Site Lock On/Off	Scan On/Off		Unassigned		
Remote Monitor (Display Only)	Radio/Accessory Speaker	Text Message	Site Lock On/Off		Zone Selection		
Repeater/Talkaround	Remote Monitor (Display Only)	Unassigned	Text Message				
Scan On/Off	Repeater/Talkaround	Zone Selection	Unassigned				
Site Lock On/Off	Scan On/Off		Zone Selection				
Telemetry	Site Lock On/Off						
Text Message	Telemetry						
Tight/Normal Squelch	Text Message						
TX Interrupt Remote Dekey	Tight/Normal Squelch						
Unassigned	TX Interrupt Remote Dekey						
VOX On/Off	Unassigned						
Zone Selection	VOX On/Off						
Zone Toggle	Zone Selection						
	Zone Toggle						

XPR 6100	
CONV. DIGITAL MOTOTRBO CPS	
All Alert Tones On/Off	Repeater/Talkaround
Battery Indicator	Scan On/Off
High/Low Power Monitor	Tight/Normal Squelch
Nuisance Delete	Unassigned
One Touch Access	VOX On/Off
Privacy On/Off	Zone Toggle

GENERAL NOTES

* Programmable buttons are mode specific assignments and functionality depends on the type of Zone the radio is selected. For example button selection could be different for Digital Conventional mode vs. Connect Plus trunking mode.
* winSJITRBO programming software is sold and supported by third party application developer Scholer-Johnson, Inc.
* Please refer to MOTOTRBO System Planners for more details on features or contact Motorola Solutions Customer Service at 1-800-927-2744.

MOTOTRBO PORTABLES AND MOBILES
PROGRAMMABLE BUTTON SELECTIONS

XPR 3300	XPR 3550	SL 7550	XPR 7350	XPR 7550	XPR 5350	XPR 5550
CNV, IPSC, CAP'Y PLUS DIGITAL MOTOTRBO CPS	CNV, IPSC, CAP'Y PLUS DIGITAL MOTOTRBO CPS	CNV, IPSC, CAP'Y PLUS DIGITAL MOTOTRBO CPS	CNV, IPSC, CAP'Y PLUS DIGITAL MOTOTRBO CPS	CNV, IPSC, CAP'Y PLUS DIGITAL MOTOTRBO CPS	CNV, IPSC, CAP'Y PLUS DIGITAL MOTOTRBO CPS	CNV, IPSC, CAP'Y PLUS DIGITAL MOTOTRBO CPS
All Alert Tones On/Off	All Alert Tones On/Off	All Alert Tones On/Off	All Alert Tones On/Off	All Alert Tones On/Off	All Alert Tones On/Off	All Alert Tones On/Off
Battery Indicator (Non-Display)	Backlight (Display)	Backlight (Display)	Bluetooth Connect	Backlight Auto On/Off	Bluetooth Connect	Bluetooth Headset Audio Switch
Channel Announcement	Brightness	Battery Indicator (Non-Display)	Bluetooth Disconnect	Bluetooth Headset Audio Switch	Bluetooth Disconnect	Brightness
High/Low Power	Call Alert	Contacts	Bluetooth Headset Audio Switch	Brightness	Bluetooth Headset Audio Switch	Call Alert
Intelligent Audio On/Off	Call Log Access	Emergency On/Off	Brightness	Call Alert	Brightness	Call Log Access
Manual Roam	Channel Announcement	High/Low Power	Channel Announcement	Call Log Access	Channel Announcement	Channel Announcement
Mic AGC On/Off	Contacts	Keypad Lock (Display Only)	Emergency Off	Channel Announcement	Channel Down	Channel Down
Monitor	High/Low Power	Manual Dial	Emergency On	Contacts	Channel Up	Channel Up
Nuisance Delete	Intelligent Audio On/Off	Manual Roam	High/Low Power	Day/Night Display Toggle	Emergency Off	Contacts
One Touch Access	Keypad Lock (Display Only)	Monitor	Intelligent Audio On/Off	Emergency Off	Emergency On	Day/Night Display Toggle
Privacy On/Off	Mic AGC On/Off	Nuisance Delete	High/Low Power	Emergency On	High/Low Power	Emergency Off
Repeater/Talkaround	Monitor	One Touch Access	Intelligent Audio On/Off	High/Low Power	Horn & Lights On/Off	Emergency On
Scan On/Off	Notification	Option Board Feature	Manual Site Roam	Intelligent Audio On/Off	Intelligent Audio On/Off	High/Low Power
Site Alias	Nuisance Delete	Phone Call	Mic AGC On/Off	Keypad Lock	Manual Site Roam	Horn & Lights On/Off
Site Lock On/Off	One Touch Access	Phone Manual Dial	Nuisance Delete	Manual Dial For Private	Mic AGC On/Off	Intelligent Audio On/Off
Tight/Normal Squelch	Privacy On / Off	Privacy On/Off	One Touch Access	Manual Site Roam	Nuisance Delete	Manual Dial For Private
TX Interrupt Remote Dekey	Radio Check	Radio Check (Display Only)	Option Board Feature	Message	One Touch Access	Manual Site Roam
Unassigned	Radio Name	Radio Disable (Display Only)	Permanent Monitor	Mic AGC On/Off	Option Board Feature	Message
Voice Announcement On/Off	Repeater/Talkaround	Radio Enable (Display Only)	Privacy On/Off	Monitor	Permanent Monitor	Mic AGC On/Off
VOX On/Off	Scan On/Off	Radio Name (Display Only)	Repeater/Talkaround	Nuisance Delete	Privacy On/Off	Nuisance Delete
	Status	Radio/Accessory Speaker	Scan On/Off	One Touch Access	Repeater/Talkaround	One Touch Access
	Tight/Normal Squelch	Remote Monitor (Display Only)	Site Lock On/Off	Option Board Feature	Scan On/Off	Option Board Feature
	Status	Repeater/Talkaround	Status	Notifications	Site Lock On/Off	Phone Call
	Unassigned	Scan On/Off	Telemetry Button	Phone Call	Status	Phone Manual Dial
	Voice Announcement On/Off	Site Lock On/Off	Tight/Normal Squelch	Phone Manual Dial	Telemetry Button	Permanent Monitor
	VOX On/Off	Telemetry	TX Interrupt Remote Dekey	Permanent Monitor	Tight/Normal Squelch	Privacy On/Off
	Zone Toggle	Text Message	Unassigned	Privacy On/Off	Toggle External PA On/Off	Radio Check
		Tight/Normal Squelch	Voice Announcement On/Off	Radio Check	Toggle Internal PA On/Off	Radio Disable
		TX Interrupt Remote Dekey	VOX On/Off	Radio Disable	TX Interrupt Remote Dekey	Radio Enable
		Unassigned	Zone Toggle	Radio Enable	Unassigned	Radio Name
		VOX On/Off		Radio Name	Voice Announcement On/Off	Remote Monitor
		Zone Selection		Remote Monitor	VOX On/Off	Repeater/Talkaround
		Zone Toggle		Repeater/Talkaround	Zone Toggle	Scan On/Off
				Scan On/Off		Site Lock On/Off
				Site Lock On/Off		Status
				Status		Telemetry Buttons
				Telemetry Buttons		Text Message
				Tight/Normal Squelch		Tight/Normal Squelch
				TX Interrupt Remote Dekey		Toggle External PA On/Off
				Unassigned		Toggle Internal PA On/Off
				Voice Announcement On/Off		TX Interrupt Remote Dekey
				VOX On/Off		Unassigned
				Zone Selection		Voice Announcement On/Off
						VOX On/Off
						Zone Selection

GENERAL NOTES

* Programmable buttons are mode specific assignments and functionality depends on the type of Zone the radio is selected. For example button selection could be different for Digital Conventional mode vs. Connect Plus trunking mode.
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MOTOTRBO PORTABLES AND MOBILES SOFTWARE LICENSES

Use this part number to purchase Entitlement ID's (EID) to Register and Activate the Bluetooth Data Transfer option in the radios. You will receive the EID via an e -mail. Register the Serial Numbers of the units, which will be upgraded, and Activate the features via the RVN5115 MOTOTRBO CPS. Internet connection is required during the registration, but the activation can be done offline.

MOTOTRBO Software Licenses are NOT transferable from one device to another. Once a software feature has been Registered and Activated in a radio, it can NOT be transferred to another radio. If a radio unit is sent for repairs to a Motorola repair service depot, and the unit is readable with CPS, it will be returned back with the same features enabled, as it had originally. If the radio cannot be read with CPS, it will be returned from repairs with only factory default settings, since the depot cannot verify the features, which were originally enabled. In this case, a call to Technical Support 800-927-2744 will be required to request a replacement license.

PLEASE NOTE: EID's purchased after December 23, 2013 require CPS 10.0 to register and activate.

MOTOTRBO Software Licenses Refrence Chart

Description	Part Number	XPR 8300 Repeater	XPR8400 XPR8380 Repeaters	MTR 3000 Repeater	XPR 6000's XPR 4000's	XPR 3000's XPR 2500	XPR 7000's XPR 5000's SL 7550	CPS /RDAC Applications
Subscriber Analog to Digital Upgrade option	HKLN4429				X			
Subscriber Connect Plus option	HKLN4457				X		X	
Subscriber Connect Plus Man Down option	HKVN4072				X		X	
MOTOTRBO Data Services via Bluetooth	HKVN4249						X	
MOTOTRBO Enhanced Privacy	HKVN4084					X		
MOTOTRBO Transmit Interrupt Encode	HKVN4085					X		
MOTOTRBO Digital Telephone Interconnect	HKVN4271					X		
MOTOTRBO IP Site Connect option	HKVN4154					X		
MOTOTRBO LCP Upgrade from IP Site Connect	HKVN4155					X		
MOTOTRBO Subscriber System Bundle Cap+ & LCP	HKVN4086					X		
MOTOTRBO CSA Conventional ManDown	HKVN4179						**XPR 7550 IS** only	
Repeater Capacity Plus option	HKLN4427	X	X					
Repeater Linked Capacity Plus option	HKVN4099		X					
Repeater Dynamic Mixed Mode option	HKLN4456	X	X					
Repeater Enhanced Scheduled GPS option	HKVN4048	X	X					
Repeater Digital Telephone Interconnect option	HKVN4049	X	X					
Repeater LCP Upgrade from Capacity Plus	HKVN4089		X					
Repeater Restricted Access to System	HKVN4177	X	X					
Repeater Data Network Application Interface	HKVN4205		X					
Repeater Digital Voting Operation	HKVN4242		X					
MTR3000 Capacity Plus option	HKLN4439			X				
MTR3000 Dynamic Mixed Mode option	HKVN4044			X				
MTR3000 Enhanced GPS option	HKVN4055			X				
MTR3000 Digital Telephone Interconnect option	HKVN4066			X				
MTR3000 Linked Capacity Plus option	HKVN4110			X				
MTR3000 Linked Capacity Plus Upgrade from Cap+	HKVN4112			X				
Repeater Restricted Access to System	HKVN4178			X				
MTR3000 Data Network Application Interface	HKVN4208			X				
MTR3000 Digital Voting Operation	HKVN4243			X				
Multi RDAC System Support license	HKLN4442							X
MOTOTRBO Radio Management (RM) license	HKVN4101							X
Battery Fleet Management license	HKVN4036							X
Remote IP Repeater Programming license	HKVN4047							X

Portables - Page 1
Date 4/7/14
SUGGESTED RETAIL

PR860
LOWBAND, VHF & UHF PORTABLES
12.5/20/30 kHz*

All PR860 portable models include:

- Standard Battery UHF/VHF (Li-ion, IMPRES™ 2000 mAh, 7.5V Battery - HNN4003 - Lowband - NiMH, 1800 mAh, 7.5V Battery - HNN4001)
- Standard Charger (IMPRES™ Single Unit Charger - WPLN4182)
- Standard Antenna (LB NAB6064 / VHF NAD6502_R / UHF NAE6483_R)
- 2.5" Belt Clip (HLN9714)
- Two Year Warranty

Main Radio Features:

Max # of Channels	16
Display	N/A
Keypad	N/A
Menu Navigation Buttons	N/A
Side Programmable Buttons	3
Front Programmable Buttons	N/A
Top Channel Knob Positions	16
Top Programmable (Orange) Button	✓
Ingress Protection Rating	IP54

Enhanced Radio Features:

Escalert Call Features	✓
Intrinsically Safe Option	Optional
MSHA Option	N/A
MDC1200 Signalling	✓
Option Board Expandability	✓
Quik Call II Signalling	Decode
X-Pand™ Technology	✓

Systems Supported:

Analog Conventional	✓
Digital Conventional	N/A
LTR/PassPort	N/A
SmartNet / SmartZone	N/A
Privacy Plus	N/A

* 12.5 kHz: VHF & UHF; 20 & 30kHz: LowBand

The following frequencies are not allowed:

151.200	403.205	436.795	453.600	468.300	494.955	507.875
168.000	419.195	436.800	453.605	469.105	498.830	511.755
403.195	420.000	436.805	457.805	470.400	502.710	
403.200	420.005	453.595	459.905	483.320	504.000	

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MSRP
29.7-42 MHz	LowBand	1W to 6W (ships 6W)	16	AAH45BEC9AA3_N	$733.33
35-50 MHz	LowBand	1W to 6W (ships 6W)	16	AAH45CEC9AA3_N	$733.33
136-174 MHz	VHF	1W to 5W (ships 5W)	16	AAH45KDC9AA3_N	$791.67
403-470 MHz	UHF	1W to 4W (ships 4W)	16	AAH45RDC9AA3_N	$841.67
450-512 MHz	UHF	1W to 4W (ships 4W)	16	AAH45SDC9AA3_N	$841.67

FCC INFORMATION: AZ489FT1625 (29.7-42 MHz, 35-50 MHz) / AZ489FT3794 (136-174 MHz) / AZ489FT4826 (403-470 MHz) / AZ489FT4834 (450-512 MHz)

For technical training of Motorola products, please visit:
https://learning.motorolasolutions.com/

Portables - Page 2
Date 1/1/14
SUGGESTED RETAIL

PR860
LOWBAND, VHF & UHF PORTABLES
OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP

INTRINSICALLY SAFE (FM): QA00051 (HNN4002) are rated Intrinsically Safe for use in Division 1, Class I, II, III, groups C,D,E,F,G and nonincendive Division 2, Class I, Groups A,B,C,D Temp code T3C.

Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

STEP 1:

Battery Choices:

STDBAT0005	Standard Battery UHF/VHF (Li-ion, IMPRES™ 2000 mAh, 7.5V Battery - HNN4003, Lowband - NiMH, 1800 mAh, 7.5V Battery - HNN4001)	N/C

- IMPRES™ Batteries:

QA00051	IMPRES™, NiMH, 1700 mAh, 7.5V Battery - Intrinsically Safe (FM) (HNN4002)	$50.00
QA00059	IMPRES™, NiMH, 1800 mAh, 7.5V Battery (HNN4001)	-$5.00

STEP 2:

Charger Choices:

STDCHG0005	Standard Charger (IMPRES™ Single Unit Charger - WPLN4182)	N/C
H951	Omit IMPRES™ Single Unit Charger	-$20.00
QA00742	IMPRES™ Single-Unit Charger with CEC Compliant Switch Mode Power Supply (PMLN5198)	$8.00

STEP 3:

Carry Holder Choices:

STDBLT0005	Standard Belt Clip (HLN9714)	N/C
H301	Omit Standard Belt Clip	-$5.00

STEP 4:

Antenna Choices:

STDANT0005	Standard Antenna (LowBand NAB6064, VHF NAD6502_R & UHF NAE6483_R)	N/C
Q46	VHF 148-161 MHz ONLY Whip Antenna (Enhanced Perf., 7.5" - NAD6579)	N/C
QA00062	UHF 430-470 MHz Stubby Antenna (PMAE4003)	-$2.00
H112	Omit Standard Antenna (LowBand, VHF & UHF)	-$3.50

STEP 5:

Shipping Box Choices:

STDBOX0005	Standard Model Box	N/C
H415	Bulk Packaging (minimum 10 units per line item)	N/C

General Options:		MSRP
QA00533	Remote Speaker Microphone with Ear Jack, Coiled Cord and Swivel Clothing Clip - Intrinsically Safe (FM) (PMMN4021)	$66.25
QA00534	Remote Speaker Microphone with IP57 Rating, Coiled Cord and Swivel Clothing Clip - Intrinsically Safe (FM) (PMMN4027)	$69.00
QA00100	Noise Cancelling Remote Speaker Microphone with Coiled Cord, Swivel Clothing Clip and 3.5mm Audio Jack - Intrinsically Safe (FM) (PMMN4039)	$75.00
QA00101	2-Wire Comfort Earpiece with Combined Microphone and PTT, Black. Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise Enhancement (RLN6232)	$108.00
QA00102	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone and In-Line PTT - Intrinsically Safe (FM) (AARMN4018)	$100.00
QA00103	Travel Charger (includes voltage regulated lighter adapter, custom charger base, coil cord and mounting bracket - RLN4883)	$89.25
QA01227	PR860 User Guide (HKLN4229)	N/C
Q663	Mandown Option Board - installed at Distribution Center. Available on Intrinsically Safe (FM) and Non-Intrinsically (FM) radios. Board must be programmed with ENVN4025 (Software) and 6880309K87 (Instructions), both sold separately.	$160.00
Q884	1 Year Service from the Start -LITE - Provides 1 year of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$38.00
H885	2 Year Service from the Start -LITE - Provides 2 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$73.00
H886	3 Year Service from the Start -LITE - Provides 3 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$108.00

Portables - Page 3
Date 4/7/14
SUGGESTED RETAIL

HT750™
LOWBAND, VHF & UHF PORTABLES
12.5/20/30 kHz*

All HT750 portable models include:
- Standard Battery (LB NiMH, 1900 mAH, 7.5V - HNN9009_R / VHF/UHF NiMH, 1500 mAH, 7.5V - HNN9008_R)
- Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)
- Standard Antenna (LB NAB6064 / VHF NAD6502_R / UHF NAE6483_R)
- 2.5" Belt Clip (HLN9714)
- Two Year Warranty

Main Radio Features:

Max # of Channels	16
Display	N/A
Keypad	N/A
Menu Navigation Buttons	N/A
Side Programmable Buttons	3
Front Programmable Buttons	N/A
Top Channel Knob Positions	16
Top Programmable (Orange) Button	✓
Ingress Protection Rating	IP54

Enhanced Radio Features:

Escalert Call Features	✓
Intrinsically Safe Option	Optional
MSHA Option	✓
MDC1200 Signalling	✓
Option Board Expandability	✓
Quik Call II Signalling	Decode
X-Pand™ Technology	✓

Systems Supported:

Analog Conventional	✓
Digital Conventional	N/A
LTR/PassPort	N/A
SmartNet / SmartZone	N/A
Privacy Plus	N/A

*12.5 kHz: VHF & UHF; 20 & 30kHz: LowBand

MSHA and Commonwealth of PA approved. See the following page for more information.

The following frequencies are not allowed:

151.200	403.205	436.795	453.600	468.300	494.955	507.875
168.000	419.195	436.800	453.605	469.105	498.830	511.755
403.195	420.000	436.805	457.805	470.400	502.710	
403.200	420.005	453.595	459.905	483.320	504.000	

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MSRP
35-50 MHz	LowBand	1W to 6W (ships 6W)	16	AAH25CEC9AA3_N	$875.00
136-174 MHz	VHF	1W to 5W (ships 5W)	16	AAH25KDC9AA3_N	$933.33
403-470 MHz	UHF1	1W to 4W (ships 4W)	16	AAH25RDC9AA3_N	$983.33
450-512 MHz	UHF2	1W to 4W (ships 4W)	16	AAH25SDC9AA3_N	$983.33

FCC INFORMATION AZ489FT1625 (29.7-42/35-50 MHz) / AZ489FT3794 (136-174 MHz) / AZ489FT4826 (403-470 MHz) / AZ489FT4834 (450-512 MHz)

For technical training of Motorola products, please visit:
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Portables - Page 4
Date 1/1/14
SUGGESTED RETAIL

HT750™
LOWBAND, VHF & UHF PORTABLES
OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP

INTRINSICALLY SAFE (FM): Q390 (HNN9010_R) is rated Intrinsically Safe for use in Division 1, Classes I, II, III, Groups - C, D, E, F and G. Intrinsically Safe (MSHA): Option QA01103 (NNTN7380) is rated Intrinsically Safe for use in Methane Air mixtures by the Mine Safety Health Administration (MSHA) and is Commonwealth of Pennsylvania approved for use in bituminous underground coal mines (by the Pennsylvania Bureau of Mines).

Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

STEP 1:

Battery Choices:

STDBAT0672	Standard Battery (VHF & UHF NiMH, 1500 mAh, 7.5V - HNN9008_R & LB NiMH, 1900 mAh, 7.5V - HNN9009_R)	N/C
Q390	NiMH, 1800 mAh, 7.5V Battery - Intrinsically Safe (FM) (HNN9010_R)	$62.00
Q508	NiMH, 1900 mAh, 7.5V Battery (HNN9009_R)	$13.00
H229	Li-ion, 1500 mAh, 7.5V Battery (HNN9013_R) *(Not for use with lowband models)	$40.00
QA01103	NiMH, 1150 mAh, 7.2 V Battery - Intrinsically Safe (MSHA) (NNTN7380)	$114.50
	** (Not for use with LowBand models)*	
- IMPRES™ Batteries:		
QA00051	IMPRES™, NiMH, 1700 mAh, 7.5V Battery - Intrinsically Safe (FM) (HNN4002)	$70.00
QA00059	IMPRES™, NiMH, 1800 mAh, 7.5V Battery (HNN4001)	$22.00
QA00060	IMPRES™, Li-ion, 2000 mAh, 7.5V Battery (HNN4003) *(Not for use with lowband models)	$48.00

STEP 2:

Charger Choices:

STDCHG0672	Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)	N/C
H951	Omit 120 Volt Rapid Rate Charger	-$20.00
QA00741	Single-Unit Charger with CEC Compliant Switch Mode Power Supply (PMLN5197)	$8.00
- IMPRES™ Charger:		
QA00061	IMPRES™ Single Unit Charger (WPLN4182)	$35.00
QA00742	IMPRES Single-Unit Charger with CEC Compliant Switch Mode Power Supply (PMLN5198)	$40.00

STEP 3:

Carry Holder Choices:

STDBLT0672	Standard Belt Clip (HLN9714)	N/C
H301	Omit Standard Belt Clip	-$5.00

STEP 4:

Antenna Choices:

STDANT0672	Standard Antenna (LB NAB6064, VHF NAD6502_R & UHF NAE6483_R)	N/C
Q46	VHF 148-161 MHz ONLY Whip Antenna (Enhanced Perf., 7.5" - NAD6579)	N/C
QA00062	UHF 430-470 MHz Stubby Antenna (PMAE4003)	-$2.00
H112	Omit Standard Antenna (LowBand, VHF & UHF)	-$3.50

STEP 5:

Shipping Box Choices:

STDBOX0672	Standard Model Box	N/C
H415	Bulk Packaging (minimum 10 units per line item)	N/C

General Options:		MSRP
QA00533	Remote Speaker Microphone with Ear Jack, Coiled Cord and Swivel Clothing Clip - Intrinsically Safe (FM) (PMMN4021)	$66.25
QA00534	Remote Speaker Microphone with IP57 Rating, Coiled Cord and Swivel Clothing Clip - Intrinsically Safe (FM) (PMMN4027)	$69.00
QA00100	Noise Cancelling Remote Speaker Microphone with Coiled Cord, Swivel Clothing Clip and 3.5mm Audio Jack - Intrinsically Safe (FM) (PMMN4039)	$75.00
QA00101	2-Wire Comfort Earpiece with Combined Microphone and PTT, Black. Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise Enhancement (RLN6232) already attached for extra comfort and convenience (RLN5315).	$108.00
QA00102	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone and In-Line PTT - Intrinsically Safe (FM) (AARMN4018)	$100.00
QA00103	Travel Charger (includes voltage regulated lighter adapter, custom charger base, coil cord and mounting bracket - RLN4883)	$89.25
QA01227	HT750 User Guide (6881089C97)	N/C

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Date 1/1/14

SUGGESTED RETAIL

HT750™
LOWBAND, VHF & UHF PORTABLES
OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP
General Options (continued):		
Q663	Mandown Option Board - installed at Distribution Center. Available on Intrinsically Safe (FM) and Non-Intrinsically (FM) radios. Board must be programmed with ENVN4025 (Software) and 6880309K87 (Instructions), both sold separately.	$160.00
Q884	1 Year Service from the Start -LITE - Provides 1 year of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$38.00
H885	2 Year Service from the Start -LITE - Provides 2 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$73.00
H886	3 Year Service from the Start -LITE - Provides 3 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$108.00

Portables - Page 6
Date 4/7/14
SUGGESTED RETAIL

HT1250™
LOWBAND, VHF & UHF PORTABLES
12.5/20/30 kHz*

All HT1250 portable models include:
- Standard Battery (VHF/UHF NiMH, 1500 mAH, 7.5V - HNN9008_R & LB NiMH, 1900 mAh, 7.5V - HNN9009_R)
- Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)
- Standard Antenna (LB NAB6064, VHF NAD6502_R & UHF NAE6483_R)
- 2.5" Belt Clip (HLN9714)
- Two Year Warranty

Limited Keypad

Full Keypad

Main Radio Features:

Max # of Channels	128
Display	Monochrome
Keypad	Limited / Full
Menu Navigation Buttons	✓
Side Programmable Buttons	3
Front Programmable Buttons	3
Top Channel Knob Positions	16
Top Programmable (Orange) Button	✓
Ingress Protection Rating	IP54

Enhanced Radio Features:

Escalert Call Features	✓
Intrinsically Safe Option	Optional
MSHA Option	N/A
MDC1200 Signalling	✓
Option Board Expandability	✓
Quik Call II Signalling	Encode/Decode
X-Pand™ Technology	✓

Systems Supported:

Analog Conventional	✓
Digital Conventional	N/A
LTR/PassPort	N/A
SmartNet / SmartZone	N/A
Privacy Plus	N/A

*12.5 kHz: VHF & UHF; 20 & 30kHz: LowBand

The following frequencies are not allowed:

31.54	46.84	403.195	420.000	436.805	457.805	470.400	502.710
34.00	48.84	403.200	420.005	453.595	459.905	483.320	504.000
36.34	121.200	403.205	436.795	453.600	468.300	494.955	507.875
42.68	168.000	419.195	436.800	453.605	469.105	498.830	511.755

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MSRP
35-50 MHz	LowBand	1W to 6W (ships 6W)	128	AAH25CEF9AA5_N (Display-Ltd Keypad)	$975.00
136-174 MHz	VHF	1W to 5W (ships 5W)	128	AAH25KDF9AA5_N (Display-Ltd Keypad)	$1,050.00
136-174 MHz	VHF	1W to 5W (ships 5W)	128	AAH25KDH9AA6_N (Display-Full Keypad)	$1,141.67
403-470 MHz	UHF	1W to 4W (ships 4W)	128	AAH25RDF9AA5_N (Display-Ltd Keypad)	$1,100.00
403-470 MHz	UHF	1W to 4W (ships 4W)	128	AAH25RDH9AA6_N (Display-Full Keypad)	$1,191.67
450-512 MHz	UHF	1W to 4W (ships 4W)	128	AAH25SDF9AA5_N (Display-Ltd Keypad)	$1,100.00
450-512 MHz	UHF	1W to 4W (ships 4W)	128	AAH25SDH9AA6_N (Display-Full Keypad)	$1,191.67

FCC INFORMATION AZ489FT1625 (29.7-42/35-50 MHz) / AZ489FT3794 (136-174 MHz) / AZ489FT4826 (403-470 MHz) / AZ489FT4834 (450-512 MHz)

For technical training of Motorola products, please visit:
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Portables - Page 7
Date 1/1/14
SUGGESTED RETAIL

HT1250™
LOWBAND, VHF & UHF PORTABLES
OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP

INTRINSICALLY SAFE (FM): Q390 (HNN9010_R) is rated Intrinsically Safe for use in Division 1, Classes I, II, III, Groups C, D, E, F and G.

Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

STEP 1:

Battery Choices:

STDBAT0749	Standard Battery (VHF & UHF NiMH, 1500 mAh, 7.5V - HNN9008_R & LB NiMH, 1900 mAh, 7.5V - HNN9009_R)	N/C
Q390	NiMH, 1800 mAh, 7.5V Battery - Intrinsically Safe (FM) (HNN9010_R)	$62.00
Q508	NiMH, 1900 mAh, 7.5V Battery (HNN9009_R)	$13.00
H229	Li-ion, 1500 mAh, 7.5V Battery (HNN9013_R) *(Not for use with lowband models)	$40.00
- IMPRES™ Batteries:		
QA00051	IMPRES™, NiMH, 1700 mAh, 7.5V Battery - Intrinsically Safe (FM) (HNN4002)	$70.00
QA00059	IMPRES™, NiMH, 1800 mAh, 7.5V Battery (HNN4001)	$22.00
QA00060	IMPRES™, Li-ion, 2000 mAh, 7.5V Battery (HNN4003) *(Not for use with lowband models)	$48.00

STEP 2:

Charger Choices:

STDCHG0749	Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)	N/C
H951	Omit 120 Volt Rapid Rate Charger	-$20.00
QA00741	Single-Unit Charger with CEC Compliant Switch Mode Power Supply (PMLN5197)	$8.00
- IMPRES™ Charger:		
QA00061	IMPRES™ Single Unit Charger (WPLN4182)	$35.00
QA00742	IMPRES™ Single-Unit Charger with CEC Compliant Switch Mode Power Supply (PMLN5198)	$40.00

STEP 3:

Carry Holder Choices:

STDBLT0749	Standard Belt Clip (HLN9714)	N/C
H301	Omit: Standard Belt Clip	-$5.00

STEP 4:

Antenna Choices:

STDANT0749	Standard Antenna (LB NAB6064, VHF NAD6502_R & UHF NAE6483_R)	N/C
Q46	VHF 148-161 MHz ONLY Whip Antenna (Enhanced Perf., 7.5" - NAD6579)	N/C
QA00062	UHF 430-470 MHz Stubby Antenna (PMAE4003)	-$2.00
H112	Omit Standard Antenna (LowBand, VHF & UHF)	-$3.50
		$0.00

STEP 5:

Shipping Box Choices:

STDBOX0749	Standard Model Box	N/C
H415	Bulk Packaging (minimum 10 units per line item)	N/C

General Options:		MSRP
QA00533	Remote Speaker Microphone with Ear Jack, Coiled Cord and Swivel Clothing Clip - Intrinsically Safe (FM) (PMMN4021)	$66.25
QA00534	Remote Speaker Microphone with IP57 Rating, Coiled Cord and Swivel Clothing Clip - Intrinsically Safe (FM) (PMMN4027)	$69.00
QA00100	Noise Cancelling Remote Speaker Microphone with Coiled Cord, Swivel Clothing Clip and 3.5mm Audio Jack - Intrinsically Safe (FM) (PMMN4039)	$75.00
QA01227	HT1250 User Guide (6881088C37)	N/C
QA00101	2-Wire Comfort Earpiece with Combined Microphone and PTT, Black. Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise Enhancement (RLN6232) already attached for extra comfort and convenience (RLN5315).	$108.00
QA00102	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone and In-Line PTT - Intrinsically Safe (FM) (AARMN4018)	$100.00
QA00103	Travel Charger (includes voltage regulated lighter adapter, custom charger base, coil cord and mounting bracket - RLN4883)	$89.25
Q663	Mandown Option Board - 16 Channel Models ONLY - installed at Distribution Center. Available on Intrinsically Safe (FM) and Non-Intrinsically (FM) radios. Board must be programmed with ENVN4025 (Software) and 6880309K87 (Instructions), both sold separately.	$160.00

Portables - Page 8

Date 1/1/14

SUGGESTED RETAIL

HT1250™
LOWBAND, VHF & UHF PORTABLES
OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP
General Options (continued):		
Q884	1 Year Service from the Start -LITE - Provides 1 year of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$38.00
H885	2 Year Service from the Start -LITE - Provides 2 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$73.00
H886	3 Year Service from the Start -LITE - Provides 3 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$108.00

Portables - Page 9
Date 5/7/14
SUGGESTED RETAIL

EX500™
VHF & UHF PORTABLES
12.5 kHz

All EX500 portable models include:
- Standard Battery (Li- ion, 1300 mAh, 7.5V - JMNN4024_R)
- Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)
- Standard Antenna (VHF option must be ordered / UHF NAE6483_R)
- Carry Holster (JMZN4023)
- Three Year Warranty

Main Radio Features:

Max # of Channels	16
Display	N/A
Keypad	N/A
Menu Navigation Buttons	N/A
Side Programmable Buttons	2
Front Programmable Buttons	N/A
Top Channel Knob Positions	16
Top Programmable (Orange) Button	✓
Ingress Protection Rating	IP54

Enhanced Radio Features:

Escalert Call Features	N/A
Intrinsically Safe Option	Optional
MSHA Option	N/A
MDC1200 Signalling	✓
Option Board Expandability	N/A
Quik Call II Signalling	Decode
X-Pand™ Technology	✓

Systems Supported:

Analog Conventional	✓
Digital Conventional	N/A
LTR/PassPort	N/A
SmartNet / SmartZone	N/A
Privacy Plus	N/A

The following frequencies are not allowed:

151.200	403.200	420.000	436.805	470.405
151.205	403.205	422.580	453.595	487.195
167.995	407.075	432.925	453.600	487.200
168.000	412.250	436.795	453.605	487.205
168.005	414.835	436.800	470.395	504.000

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MSRP
403- 470 MHz	UHF	1W to 4W (ships 4W)	16	AAH38RDC9AA3_N	$1,041.67

FCC INFORMATION: AZ489FT3801 (136- 174 MHz) / AZ489FT4844 (403- 470 MHz) / AZ489FT4845 (450- 512 MHz)

For technical training of Motorola products, please visit:
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Portables - Page 10
Date 1/1/14
SUGGESTED RETAIL

EX500™
VHF & UHF PORTABLES
OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP

INTRINSICALLY SAFE (FM): QA00668 (PMNN4073_A) is rated Intrinsically Safe for use in Division 1, Classes I, II, III, Groups C, D, E, F and G.

Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

STEP 1:

Battery Choices:

STDBAT0004	Standard Battery (Li- ion, 1300 mAh, 7.5V - JMNN4024_R)	N/C
H229	Li- ion, 1000 mAh, 7.5V Slim Battery (JMNN4023_R)	-$25.00
QA00668	Li- ion, 1400 mAh, 7.5V - Intrinsically Safe (FM) (IP67) (PMNN4073_A) * PMNN4073_A only IP67 rated with EX560XLS*	$15.00

STEP 2:

Charger Choices:

STDCHG0004	Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)	N/C
H951	Omit 120 Volt Rapid Rate Charger	-$20.00
QA00741	Single- Unit Charger with CEC Compliant Switch Mode Power Supply (PMLN5197)	$8.00

STEP 3:

Carry Holder Choices:

STDBLT0004	Standard Carry Holster (JMZN4023)	N/C
H317	Omit Standard Carry Holster	-$3.50

STEP 4:

Antenna Choices: Note - The VHF model does not have a standard antenna option

STDANT0004	Standard UHF Antenna (NAE6483_R)	N/C
Q634	VHF 150- 162 MHz Broadband Antenna (NAD6502_R)	N/C
H128	VHF 136- 151 MHz Helical Antenna (PMAD4014)	N/C
Q46	VHF 148- 161 MHz ONLY Whip Antenna (Enhanced Perf., 7.5" - NAD6579)	N/C
H65	VHF 162- 174 MHz Helical Antenna (PMAD4023)	N/C
H129	VHF 151- 162 MHz Helical Antenna (PMAD4015)	N/C
QA00062	UHF 430- 470 MHz Stubby Antenna (PMAE4003)	-$2.00
H112	Omit Standard VHF & UHF Antenna	-$3.50
		$0.00

STEP 5:

Shipping Box Choices:

STDBOX0004	Standard Model Box	N/C
H415	Bulk Packaging (minimum 20 units per line item)	N/C

General Options:		MSRP
QA00535	Remote Speaker Microphone with Ear Jack, Coiled Cord and Swivel Clothing Clip - Intrinsically Safe (FM) (PMMN4022)	$85.00
QA00536	Remote Speaker Microphone with IP57 Rating, Coiled Cord and Swivel Clothing Clip - Intrinsically Safe (FM) (PMMN4023)	$89.00
QA01227	EX500 User Guide (HKLN4118)	N/C
Q884	1 Year Service from the Start -LITE- Provides 1 year of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$38.00
H885	2 Year Service from the Start -LITE - Provides 2 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$73.00
H886	3 Year Service from the Start -LITE - Provides 3 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$108.00

Portables - Page 11
Date 1/1/14
SUGGESTED RETAIL

PR1500
VHF & UHF PORTABLES
12.5 kHz

All PR1500 models include:
- Standard Battery (IMPRES™ NiMH, 1850 mAh, 7.5V Battery - NTN9858)
- Standard Charger (IMPRES™ Single Unit Charger - WPLN4111_R)
- Standard Antenna (UHF Whip - NAE6549_R / VHF Must Choose Option)
- 2.25" Belt Clip (HLN6853)
- Remote Speaker Microphone Adapter (4385665D01)
- Accessory Connector Dust Cover (1505579Z01)
- Two Year Warranty

*12.5 kHz only operation. See the General Options section for 25 kHz operation ordering requirements

Main Radio Features:

Max # of Channels	32
Display	N/A
Keypad	N/A
Menu Navigation Buttons	N/A
Side Programmable Buttons	3
Front Programmable Buttons	N/A
Top Channel Knob Positions	16
Top Programmable (Orange) Button	✓
Ingress Protection Rating	IP54

Enhanced Radio Features:

Escalert Call Features	N/A
Intrinsically Safe Option	Optional
MSHA Option	N/A
MDC1200 Signalling	✓
Option Board Expandability	N/A
Quik Call II Signalling	Decode
X-Pand™ Technology	N/A

Systems Supported:

Analog Conventional	✓
Digital Conventional	P25 Conv. (Opt'l via Field Upgrade)
LTR/PassPort	N/A
SmartNet / SmartZone	N/A
Privacy Plus	N/A

The following frequencies are not allowed:

147.4450	162.0000	168.0025	396.000	420.000	436.800	466.920	491.490	516.000
147.4475	162.0025	172.0200	396.300	421.280	442.3438	468.000	492.000	516.070
147.4500	165.8975	172.0225	405.380	426.600	450.000	470.400	497.695	517.440
151.1975	165.9000	381.535	413.330	429.230	453.600	474.000	498.000	519.120
151.2000	165.9025	386.400	414.000	432.000	456.000	480.000	502.200	
153.6000	167.9975	389.490	415.500	432.6125	468.000	486.000	504.000	
161.9975	168.0000	393.195	417.770	434.700	462.000	487.200	512.400	

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MSRP
136-174 MHz	VHF	1W to 5W (ships 5W)	32	AAH79KDC9PW5_N	$1,200
380-470 MHz	UHF	1W to 5W (ships 5W)	32	AAH79QDC9PW5_N	$1,250
450-520 MHz	UHF	1W to 5W (ships 5W)	32	AAH79SDC9PW5_N	$1,250

FCC INFORMATION: AZ489FT3807 (VHF 136-174 MHz) / AZ489FT4865 (380-470 MHz) / AZ489FT4866 (450-520 MHz)

For technical training of Motorola products, please visit:
https://learning.motorolasolutions.com/

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SUGGESTED RETAIL

PR1500
VHF & UHF PORTABLES
OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP

INTRINSICALLY SAFE (FM): Q393 (NTN9857) is rated Intrinsically Safe for use in Division 1, Class I, II, III, Groups C,D,E,F,G and nonincendive use in Division 2, Class I, groups A,B,C,D Temp code T3C.

Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

STEP 1:

Battery Choices:

STDBAT0626	Standard Battery (IMPRES NiMH, 1850 mAh, 7.5V Battery - NTN9858)	N/C
Q393	IMPRES NiMH, 1700 mAh, 7.5V Battery, Intrinsically Safe (FM) (NTN9857)	$28.00

STEP 2:

Charger Choices:

STDCHG0626	Standard Charger (IMPRES Single Unit Charger CEC Compliant - WPLN4111_R)	N/C
QA00294	Universal Tri-Chemistry, Single Unit Charger (NTN1667)	-$20.00
H951	Omit Standard Charger	-$35.00
QA00743	Single-Unit Tri-Chemistry Charger with CEC Compliant Switch Mode Power Supply (PMLN5203)	-$15.00

STEP 3:

Carry Holder Choices:

STDBLT0626	Standard 2.25" Belt Clip (HLN6853)	N/C
H301	Omit Standard Belt Clip	-$5.00

STEP 4:

Antenna Choices:

STDANT0626	Standard Antenna (UHF NAE6549_R)	N/C
H150	VHF 136-174 MHz, Wideband Dipole 7.5" (8505518V01)	N/C
H65	VHF 162-174 MHz, Wideband Helical (8505644V03)	N/C
H129	VHF 150.8-162 MHz, Wideband Helical (8505644V02)	N/C
H128	VHF 136-150.8 MHz, Wideband Helical (8505644V01)	N/C
H125	UHF 403-470 MHz Helical Antenna (NAE6546_R)	N/C
H126	UHF 435-470 MHz Helical Antenna (NAE6547_R)	N/C
H127	UHF 470-520 MHz Helical Antenna (NAE6548_R)	N/C
H112	Omit Standard VHF/UHF Antenna	-$3.50

STEP 5:

Shipping Box Choices:

STDBOX0626	Standard Model Box	N/C
H415	Bulk Packaging (minimum 10 units per line item)	N/C

General Options:		MSRP
QA00185	Remote Speaker Microphone with 3.5mm Audio Jack (PMMN4051)	$87.25
QA00186	Noise Cancelling Remote Speaker Microphone with 3.5mm Audio Jack (PMMN4045)	$97.00
QA00187	Remote Speaker Microphone with Emergency Button (RMN5038)	$120.00
QA01227	PR1500 User Guide (9964416H07)	N/C
QA03400	Add: 25kHz Operation Note: Option must be included in the order (for both US and Canada) to obtain 25 kHz operation. If the option is not included, the radio must be returned to the Motorola Service Depot to enable 25 kHz operation. In the United States it is the responsibility of the FCC licensee to comply with the FCC Narrowbanding Mandate and program this radio with 25 kHz analog channels in a manner that is consistent with the FCC narrowband regulations for VHF (150-174 MHz) and UHF1 (421-470 MHz) MHz frequency bands after January 1st 2013.	N/C
Q884	1 Year Service from the Start -LITE - Provides 1 year of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$44.00
H885	2 Year Service from the Start -LITE - Provides 2 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$84.00
H886	3 Year Service from the Start -LITE - Provides 3 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$125.00

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SUGGESTED RETAIL

PROFESSIONAL PORTABLE ACCESSORIES

PR860	HT750/HT1250	EX500	PR1500	MODEL NUMBER	DESCRIPTION	MSRP
INTRINSICALLY SAFE (FM): (H236), NTN4852 (Q795/Q869), HNN9010_R (Q390), NTN9857 (Q393), HNN9011_R (H236), NTN9816 (H223) & HNN4002 (QA00051) are rated Intrinsically Safe for use in Division 1, Classes I, II, III, Groups C, D, E, F and G. Intrinsically Safe (MSHA): QA01103 (NNTN7380) is rated Intrinsically Safe for use in Methane Air mixtures by the Mine Safety Health Administration (MSHA)						
				Antennas:		
X	X	X		8504762J01	VHF Whip Antenna, 136-155 MHz (Red Color Code)	$13.50
X	X	X		8504762J02	VHF Whip Antenna, 155-174 MHz (Black Color Code)	$13.50
			X	8505518V01	VHF Wideband Dipole 7.5", 136-174 MHz	$24.00
			X	8505644V01	VHF Helical Antenna, 136-150.8 MHz	$16.50
			X	8505644V02	VHF Helical Antenna, 150.8-162 MHz	$16.50
			X	8505644V03	VHF Helical Antenna, 162-178 MHz	$16.50
X	X			NAB6064	LowBand Heliflex Antenna, 29.7-50 MHz	$24.50
X	X	X		NAD6502_R	VHF Heliflex Antenna, 146-174 MHz	$11.75
X	X	X		NAD6579	VHF Whip Antenna, 148-161 MHz (Enhanced Performance, 7.5")	$13.50
			X	NAE6546_R	UHF Helical Antenna, 403-435 MHz	$16.50
			X	NAE6547_R	UHF Helical Antenna, 435-470 MHz	$16.50
			X	NAE6548_R	UHF Helical Antenna, 470-520 MHz	$16.50
			X	NAE6549_R	UHF Helical Antenna, 403-520 MHz	$21.50
X	X	X		PMAD4012	VHF Stubby Antenna, 136-155 MHz (Red Color Code)	$13.25
X	X	X		PMAD4013	VHF Stubby Antenna, 155-174 MHz (Black Color Code)	$13.25
X	X	X		PMAD4023	VHF Whip Antenna, 150-161 MHz (Brown Color Code)	$13.50
X	X	X		PMAD4025	VHF Stubby Antenna, 150-161 MHz (Brown Color Code)	$13.25
X	X	X		PMAE4002	UHF Stubby Antenna, 403-430 MHz (Green Color Code)	$11.25
X	X	X		PMAE4003	UHF Stubby Antenna, 430-470 MHz (Natural Color Code)	$11.25
	X	X		PMAE4006	UHF Stubby Antenna, 465-490 MHz (Orange Color Code)	$14.75
X	X	X		PMAE4016	UHF Whip Antenna, 403-520 MHz	$11.75
				Batteries:		
X	X			HNN9008_R	NiMH, 1500 mAh, 7.5V Battery (not compatible w/LowBand models - Resale Packaging available through RPSD)	$64.00
X	X			HNN9009_R	NiMH, 1900 mAh, 7.5V Battery	$75.00
X	X			HNN9010_R	NiMH, 1800 mAh, 7.5V Battery - Intrinsically Safe (FM)	$115.00
X	X			HNN9011_R	NiCd, 1200 mAh, 7.5V Battery - Intrinsically Safe (FM)	$111.00
X	X			HNN9012_R	NiCd, 1300 mAh, 7.5V Battery (Resale Packaging available through RPSD)	$65.00
X	X			HNN9013_R	Li-ion, 1500 mAh, 7.5V Battery (Resale Packaging available through RPSD)	$90.00
		X		JMNN4023_R	Slim Li-ion, 1000 mAh, 7.5V Battery	$89.00
		X		JMNN4024_R	Li-ion, 1300 mAh, 7.5V Battery	$108.00
X	X			NNTN5332	Disposable Clamshell Battery (requires 12 Alkaline Batteries. Batteries & Belt Clip NTN8266 Sold Separately)	$80.00
	X			NNTN7380	NiMH, 1150 mAh, 7.2V Battery - Intrinsically Safe (MSHA) Only Compatible with HT750 16 Ch VHF/UHF	$130.00
			X	NTN9815	NiCd, 1525 mAh, 7.5V Battery	$100.00
			X	NTN9816	NiCd, 1525 mAh, 7.5V Battery - Intrinsically Safe (FM)	$121.00
X	X			PMNN4045_R	1300MAH NIMH BATTERY (MAGONE)	$54.00
		X		PMNN4073_R	Li-ion, 1400 mAh, IP67 Battery - Intrinsically Safe (FM)	$128.00
		X		PMNN4074_R	Li-ion, 1400 mAh, IP67 Battery	$113.00
X	X	X		PMNN4094	Li-ion, 2100 mAh, IP67 Battery	$128.00
	X			PMNN4455_R	Li-ion, 2700 mAh Battery	$100.00
	X			PMNN4457_R	Li-ion, 2050 mAh Battery	$59.00
				IMPRES™: *The IMPRES smart energy system ensures maximum talk-time and optimized battery cycle life through the use of its advanced charging technology and automatic reconditioning features, when used with IMPRES batteries.*		
X	X			HNN4001	IMPRES™, NiMH, 1800 mAh, 7.5V Battery	$82.00
X	X			HNN4002	IMPRES™, NiMH, 1700 mAh, 7.5V Battery - Intrinsically Safe (FM)	$125.00
X	X			HNN4003	IMPRES™, Li-ion, 2000 mAh, 7.5V Battery	$108.00
			X	NNTN6263	IMPRES™, NiMH FM Immersible 2000 mAh Battery	$135.00
			X	NNTN7335	IMPRES™, Li-ion, 2700 mAh, IP67 Battery	$135.00
			X	NNTN7554	IMPRES™, Li-ion, Std IP67 Battery	$125.00
			X	NTN9857	IMPRES™, NiMH, 1700 mAh, 7.5V Battery - Intrinsically Safe (FM)	$130.00
			X	NTN9858	IMPRES™, NiMH, 1850 mAh, 7.5V Battery	$110.00
				Battery Maintenance Systems (BMS):		
X	X			NDN4005	Battery Maintenance System (BMS) - 110 Volt AC, 50/60 Hz - Three Station Reconditioner. Supports NiCd and NiMH batteries (adapters sold separately).	$499.00
X	X	X		WPLN4079_R	Battery Maintenance System Plus (BMS+) - 110 Volt AC, 50/60 Hz - Six Station Reconditioner. Using interchangeable adapter plates (sold separately), the BMS+ is capable of charging and discharging, analyzing, conditioning, cycle testing, and more. Supports NiCd, NiMH and Li-ion battery chemistries.	$650.00
X	X			WPPN4079_R	BMS Battery Adapter (for use with NiCd & NiMH batteries)	$80.00
X	X			WPPN4080_R	BMS Battery Adapter (for use with NiCd, NiMH & Li-ion batteries)	$120.00
		X		WPPN4096_R	BMS Battery Adapter (for use with NiCd, NiMH & Li-ion batteries)	$120.00

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SUGGESTED RETAIL

PROFESSIONAL PORTABLE ACCESSORIES

PR860	HT750/HT1250	EX500	PR1500	MODEL NUMBER	DESCRIPTION	MSRP
				Call Boxes:		
Allows for integration into most existing radio systems and provides direct access to personnel connected to the system. Allows for expansion of security coverage and can help improve response time without the need for additional personnel. Includes a voice instruction message for the user, automatic call box ID and user location identifiers, a courtesy light, easy push-to-talk operation, a silent tamper alert broadcast to security, low battery alert, 40-day standby battery capacity, one 12-volt, 12 amp/hour rechargeable battery, call box keys and tamper resistant screw bits. Pricing does not include radio or installation. Remote speaker microphone cable and BNC antenna adaptor for the particular radio model must be supplied by the reseller.						
				A1 Call Boxes - Field programmable. Mounts on a wall, or on a PVC or aluminum stanchion. Solar or AC/DC power. The .090 thick aluminum enclosure with white powder coat measures 13"H x 9.5"W x 6.5"D. Provides protection against dust and falling rain. For indoor and outdoor use. Includes antenna and set of small reflective decals.		
X	X	X	X	RRDN4362	Solar Wall or Pole Mounting	$2,565.00
X	X	X	X	RRDN4363	AC/DC Wall or Pole Mounting	$2,465.00
X	X	X	X	RRDN4365	Solar with Aluminium Stanchion (A1010) w/o Base Pedestal	$3,395.00
X	X	X	X	RRDN4366	AC/DC with Aluminium Stanchion (A1010) w/o Base Pedestal	$3,295.00
X	X	X	X	RRDN4444	A1A1010 Base Pedestal	$450.00
				A106.5 Call Boxes - Freestanding. Solar or AC/DC power. The .090 thick, white powder-coated aluminum box measures 6.5' H x 10" W x 5" D. Includes antenna and choice of reflective vinyl message decal.		
X	X	X	X	RRDN4588	Solar Powered w/o Base Pedestal	$2,795.00
X	X	X	X	RRDN4589	AC/DC w/o Base Pedestal	$2,695.00
X	X	X	X	RRDN7776	A106.5 Base Pedestal	$450.00
				A1410 Call Boxes - Self-standing. The .090 thick aluminum stanchion with white powder coat measures 10'H x 14"W x 7.5"D. Thick, clear Lexan faceplate cover and includes an activation ringer, antenna and set of large reflective decals. 10 watt solar panel provides additional charging power to allow the beacon/locator light to function 24 hours a day.		
X	X	X	X	RRDN4369	Solar Powered	$3,400.00
X	X	X	X	RRDN4370	AC/DC w/o Base Pedestal	$3,300.00
X	X	X	X	RRDN4447	A1410 Base Pedestal	$450.00
X	X	X	X	RRDN7782	A1410 Solar w/o Base Pedestal, with Public Address System (PA)	$3,745.00
				A144 Call Boxes - Flexibility. Can be wall or pole mounted for convenient accessibility. The .090 thick, white, powder-coated aluminum enclosure measures 4 H x 14" W x 7.5" D. Includes a 6-watt locator LED that converts to a strobe light when callbox is activated. Comes standard with a 10-watt solar panel and choice of large reflective vinyl message decal.		
X	X	X	X	RRDN4590	Solar Wall or Pole Mounting	$3,275.00
X	X	X	X	RRDN4591	AC/DC Wall or Pole Mounting	$3,175.00
				A1510 Call Boxes		
X	X	X	X	RRDN7777	Solar w/o Base Pedestal	$3,445.00
X	X	X	X	RRDN7778	Solar w/o Base Pedestal, with Public Address System (PA)	$4,000.00
X	X	X	X	RRDN7779	AC/DC w/o Base Pedestal	$3,345.00
X	X	X	X	RRDN7780	AC/DC w/o Base Pedestal, with Public Address System (PA)	$3,910.00
X	X	X	X	RRDN7781	A1510 Base Pedestal	$348.00
				ACB Call Boxes - Push-to-talk communication. No door to open. The indoor/outdoor wall mount aluminum enclosure is .090 thick with white powder coat. It measures 20"H x 14"W x 7.5"D with a thick, clear Lexan face-plate cover. Includes activation ringer, antenna and set of small reflective decals.		
X	X	X	X	RRDN4367	Solar Wall or Pole Mounting	$2,775.00
X	X	X	X	RRDN4368	AC/DC Wall or Pole Mounting	$2,675.00
				Mass Notification System for Call Boxes:		
X	X	X	X	RRDN7783	Mass Notification System	$1,945.00
				Carry Cases:		
X	X			4280384F89	Universal RadioPAK™ Extension Belt for waist larger than 40"	$5.00
X	X			HLN6602	Universal Chest Pack with Radio Holder, Pen Holder & Velcro Secured Pocket (HT750, HT1250, HT1250•LS+ & HT1550•XLS - not compatible with UHF models)	$38.00
			X	HLN6853	2.25" Spring Action Belt Clip	$11.50
X	X			HLN7020	Carry case strap adapter to allow public safety microphone to fit properly when using a carry case	$7.25
X	X			HLN9652	Leather Case with Belt Loop (HT750 & PR860 - for use with Li-ion non-IMPRES battery HNN9013)	$51.00
X	X			HLN9665	Leather Case with Belt Loop (HT750 & PR860 - for use with NiMH & NiCd non-IMPRES Batteries & all IMPRES Batteries)	$51.00
X	X			HLN9670	Leather Case with Swivel (HT750 & PR860 - for use with Li-ion non-IMPRES battery HNN9013)	$59.00
X	X			HLN9676	Leather Case with Swivel (Resale Packaging available through RPSD) (HT750 & PR860 - for use with NiMH/ NiCd non-IMPRES Batteries/all IMPRES Batteries)	$59.00
	X			HLN9677	Leather DTMF Case with Belt Loop (HT750 Keypad & all HT1250 & HT1250•LS+ models - for use with Li-ion battery HNN9013)	$51.00
	X			HLN9689	Leather DTMF Case with Belt Loop (HT750 Keypad & all HT1250 & HT1250•LS+ models - for use with NiMH, NiCd & HNN4003 Li-ion batteries)	$51.00
	X			HLN9690	Leather DTMF Case with Swivel (HT750 Keypad & all HT1250 & HT1250•LS+ models - for use with Li-ion battery HNN9013)	$59.00
	X			HLN9694	Leather DTMF Case with Swivel (HT750 Keypad & all HT1250 & HT1250•LS+ models - for use with NiMH, NiCd & HNN4003 Li-ion batteries)	$59.00
X	X			HLN9701	Nylon Case with Belt Loop (Resale Packaging available through RPSD)	$24.00

PROFESSIONAL PORTABLE ACCESSORIES

PR860	HT750/HT1250	EX500	PR1500	MODEL NUMBER	DESCRIPTION	MSRP
				Carry Cases (continued):		
X	X			HLN9714	2.5" Spring Action Belt Clip	$11.00
X			X	HLN9844	2" Spring Belt Clip	$11.50
	X			HLN9945	Leather Keypad Case with Belt Loop (HT1250 & HT1250•LS+ Limited Keypad models - for use with Li-ion battery HNN9013)	$51.00
	X			HLN9946	Leather Keypad Case with Belt Loop (Resale Packaging available through RPSD) (HT1250 & HT1250•LS+ Limited Keypad models - for use with NiMH, NiCd & HNN4003 Li-ion batteries)	$51.00
	X			HLN9955	Leather Keypad Case with Swivel (HT1250 & HT1250•LS+ Limited Keypad models - for use with Li-ion battery HNN9013)	$59.00
X	X	X		HLN9985	Waterproof Bag, includes large carrying strap	$36.00
	X			HLN9998	Leather Keypad Case with Swivel (HT1250 & HT1250•LS+ Limited Keypad models - for use with NiMH, NiCd & HNN4003 Li-ion batteries)	$59.00
		X		JMZN4023	Plastic Holster with Swivel Belt Clip	$10.00
			X	NNTN4115	Leather Case with High Activity 3" Swivel	$60.00
			X	NNTN4116	Leather Case with High Activity 2.5" Swivel	$60.00
			X	NNTN4117	Leather Case with Belt Loop	$60.00
X	X	X	X	NTN5243	Shoulder Strap (for use with Cases with D-Rings)	$23.00
		X		PMLN4421	Soft Leather Case with Fixed Swivel Clip (EX500 models only)	$20.00
		X		PMLN4470	Nylon Case with Belt Loop & D-Rings (EX500 models only)	$24.00
		X		PMLN4471	Hard Leather Case with Swivel & D-Rings (EX500 models only)	$38.00
		X		PMLN4521	Soft Leather Case with Fixed Swivel Clip & D-Rings (EX600·XLS models only)	$24.00
	X			RLN4570	Break-Away Chest Pack	$54.25
X	X			RLN4815	Universal RadioPAK™ & Utility Case (fanny pack)	$45.00
X	X			RLN5213	Leather Case (Accommodates radio adapter with Bluetooth™ Wireless Technology and adapter capable battery - for use with NiMH Batteries)	$59.00
X	X			TDN9327	Portable Radio Hanger - for door panels up to 2.75" (slides over and hangs from the door panel in vehicle). Radio Belt Clip is required for use.	$28.50
X	X			TDN9373	Portable Radio Hanger - for door panels from 2.75" to 3.25" (slides over and hangs from the door panel in vehicle). Radio Belt Clip is required for use.	$18.00
				Chargers:		
X	X	X		AAHTN3000	120 Volt - Single Unit Rapid Rate Charger	$56.75
X	X			HLN9793	Charger Insert Spacer - Compatible with "A" version chargers ONLY	$6.30
X	X			HLN9794	Charger Insert Spacer - Compatible with "B", "C" & "D" version chargers ONLY	$6.30
X	X	X	X	NLN7967	Wall Mount Kit for Multi-Unit Charger	$21.00
X	X			NNTN7618	IMPRES Vehicular Charger (Hard Install)	$380.00
			X	NTN1177	110 Volt Rapid Multi-Unit Charger (for use with NiCd & NiMH batteries only)	$788.00
			X	NTN1667	110V Single Unit Universal Tri-Chemistry Charger	$100.00
X	X	X		PMLN5197	Single Unit Rapid Rate Charger with CEC Compliant Switch Mode Power Supply	$64.50
X	X			RL-76345	Adapter Plate BOS I	$115.00
		X		RL-77255	Adapter Plate for use with BOS and BOS II	$115.00
X	X			RLN4883	Travel Charger (Incl. voltage regulated lighter adapter, custom charger base, coil cord and mounting bracket)	$89.25
			X	RLN4884	Travel Charger	$95.00
X	X	X		WPLN4124_R	Battery Optimizing System II (BOS II) - 90-240 Volt AC, 50/60 Hz, 4 Station Reconditioner. Provides powerful analyzing and reconditioning features. Includes 12 resident programs, a QuickTest™ diagnostic battery state of health program, programmable adapter plates, and more. Supports NiCd, NiMH, Li-ion and SLA batteries.	$2,611.00
				IMPRES™: *The IMPRES smart energy system ensures maximum talk-time and optimized battery cycle life through the use of its advanced charging technology and automatic reconditioning features, when used with IMPRES batteries.*		
X	X		X	HKVN4036	NA Fleet Management License Key (Entitlement ID)	$489.00
X	X		X	NNTN7392	IMPRES™ Battery Reader (Note: This device does not charge batteries)	$250.00
X	X		X	NNTN7676	Fleet Mgmt Release 1.5 Download at MOL Resource Center, Req. Software License HKBN4036	$10.00
X	X		X	NNTN7677	Fleet Management Multi-Unit Charger Interface (Note: This device does not charge batteries)	$80.00
X	X			NNTN8045	Fleet Management Multi-Unit Charger Interface (Note: This device does not charge batteries)	$35.00
X	X	X		PMLN5198	IMPRES Single Unit Rapid Rate Charger with CEC Compliant Switch Mode Power Supply	$75.75
X	X		X	RLN5382	IMPRES™, Charger Display Module - retrofitable on IMPRES™ Multi Unit Chargers (WPLN4108_R & WPLN4187)	$95.00
			X	WPLN4108	IMPRES™, Multi-Unit Charger	$788.00
			X	WPLN4111	IMPRES™, Charger	$165.00
			X	WPLN4130	IMPRES™ Multi Unit Charger with Display Modules - displays real-time for IMPRES™ batteries - mAh, % capacity, time remaining to rapid charge complete (NiCd/NiMH batteries), battery s/n, charge status, voltage, kit number, expected full charge capacity & more.	$1,350.00
X	X	X		WPLN4182	IMPRES™, Single Unit Charger	$62.50
X	X	X		WPLN4187	IMPRES™, Multi Unit Charger	$495.00

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SUGGESTED RETAIL

PROFESSIONAL PORTABLE ACCESSORIES

PR860	HT750/HT1250	EX500	PR1500	MODEL NUMBER	DESCRIPTION	MSRP
				Chargers (continued):		
X	X			WPLN4192	IMPRES™ Multi Unit Charger with Display Modules - displays real-time for IMPRES™ batteries - mAh, % capacity, time remaining to rapid charge complete, battery s/n, charge status, voltage, kit number, expected full charge capacity & more.	$650.00
				Conditioning Chargers:		
X	X			3080384G15	Cigarette Lighter Adapter for Single & Multi Unit Motorola Conditioning Chargers	$7.00
X	X			RLN4814	Vehicular Mounting Bracket - includes hard wire cable with In-Line fuse for use with single unit Motorola Conditioning Chargers	$35.00
X	X			WPPN4065_R	Motorola Conditioning Charger - Four-Station - 110 Volt, Base only, requires adapter plates (sold separately)	$399.00
X	X			WPPN4082_R		$15.00
X	X			WPLN4107_R	Motorola Conditioning Charger - Single Unit - includes charger base, removable adapter plate and transformer, 1-2 hour rapid charge.	$70.00
				Vehicular Chargers/Adapters:		
X	X			ENKN4002	Programming Cable for VHF & UHF Vehicular Adapters (required if using external speaker and/or w/LS radios)	$143.00
X	X			GSN6059	13 Watt External Speaker	$71.50
X	X			GKN6270	Power Cable with 10A Fuse	$25.00
			X	WPLN4208	Vehicular Charger	$390.00
				Earpieces:		
X	X	X		5080370E97	Replacement Rubber Eartips, Clear - Pack of 25 (for use with RLN6232, RLN6241)	$29.25
X	X	X		5080384F72	Replacement Foam Plugs-Pack of 50 (for use with RLN6230, RLN6231), Noise	$116.50
X	X	X	X	AARLN4885	Receive-Only Foam Earbud with 3.5mm plug (for use with the Remote Speaker Microphone or Public Safety Microphone) - Intrinsically Safe (FM)	$25.00
X	X			AARMN4021	Receive-Only Earpiece without Volume Control, Beige - Intrinsically Safe (FM)	$45.00
X	X			AARMN4022	2-Wire Surveillance Kit with Microphone & PTT Combined, Beige - Intrinsically Safe (FM) - (Resale Packaging available through RPSD)	$100.00
X	X			AARMN4028	Receive-Only Earpiece without Volume Control, Black - Intrinsically Safe (FM) - (Resale Packaging available through RPSD)	$45.00
X	X			AARMN4029	2-Wire Surveillance Kit with Microphone & PTT Combined, Black - Intrinsically Safe (FM)	$100.00
		X	X	BDN6664	Receive-Only Surveillance Kit, Beige (single wire) (EX500 & EX600•XLS: requires PMLN4455 - Intrinsically Safe (FM)) (PR1500: requires BDN6676 - Intrinsically Safe (FM))	$40.00
		X	X	BDN6665	Receive-Only Surveillance Kit with Extra Loud Earphone, Beige (single wire, exceeds OSHA limits) (EX500 & EX600•XLS: requires PMLN4455 - Intrinsically Safe (FM)) (PR1500: requires BDN6676 - Intrinsically Safe (FM))	$42.00
		X	X	BDN6666	Receive-Only Surveillance Kit with Volume Control, Beige (single wire) (EX500 & EX600•XLS: requires PMLN4455 - Intrinsically Safe (FM)) (PR1500: requires BDN6676 - Intrinsically Safe (FM))	$53.00
		X	X	BDN6667	2-Wire Surveillance Kit with Microphone and PTT Combined, Beige (EX500 & EX600•XLS: requires PMLN4455 - Intrinsically Safe (FM)) (PR1500: requires BDN6673 - Intrinsically Safe (FM))	$114.00
		X	X	BDN6668	3-Wire Surveillance Kit with Microphone and PTT Separate, Beige (EX500 & EX600•XLS: requires PMLN4455 - Intrinsically Safe (FM)) (PR1500: requires BDN6676 - Intrinsically Safe (FM))	$135.00
		X	X	BDN6669	2-Wire Surveillance Kit with Microphone and PTT Combined with Extra Loud Earphone, Beige (exceeds OSHA limits) (EX500 & EX600•XLS: requires PMLN4455 - Intrinsically Safe (FM)) (PR1500: requires BDN6676 - Intrinsically Safe (FM))	$118.00
		X	X	BDN6670	3-Wire Surveillance Kit with Microphone and PTT Separate with Extra Loud Earphone, Beige (exceeds OSHA limits) (EX500 & EX600•XLS: requires PMLN4455 - Intrinsically Safe (FM)) (PR1500: requires BDN6676 - Intrinsically Safe (FM))	$150.00
		X		BDN6719	Flexible Ear Receiver, Black - Earpiece without Volume Control - (flexible earloop & speaker that rests external to the ear) (EX500 & EX600•XLS: requires PMLN4455 - Intrinsically Safe (FM))	$35.00
		X	X	BDN6726	Receive-Only Surveillance Kit, Black (single wire) (EX500 & EX600•XLS: requires PMLN4455 - Intrinsically Safe (FM)) (PR1500: requires BDN6676 - Intrinsically Safe (FM))	$40.00
		X	X	BDN6727	Receive-Only Surveillance Kit with Extra Loud Earphone, Black (single wire, exceeds OSHA limits) (EX500 & EX600•XLS: requires PMLN4455 - Intrinsically Safe (FM)) (PR1500: requires BDN6676 - Intrinsically Safe (FM))	$42.00
		X	X	BDN6728	Receive-Only Surveillance Kit with Volume Control, Black (single wire) (EX500 & EX600•XLS: requires PMLN4455 - Intrinsically Safe (FM)) (PR1500: requires BDN6676 - Intrinsically Safe (FM))	$53.00
		X	X	BDN6729	2-Wire Surveillance Kit with Microphone and PTT Combined, Black (EX500 & EX600•XLS: requires PMLN4455 - Intrinsically Safe (FM)) (PR1500: requires BDN6676 - Intrinsically Safe (FM))	$114.00
		X	X	BDN6730	3-Wire Surveillance Kit with Microphone and PTT Separate, Black (EX500 & EX600•XLS: requires PMLN4455 - Intrinsically Safe (FM)) (PR1500: requires BDN6676 - Intrinsically Safe (FM))	$135.00
		X	X	BDN6731	2-Wire Surveillance Kit with Microphone and PTT Combined with Extra Loud Earphone, Black (exceeds OSHA limits) (EX500 & EX600•XLS: requires PMLN4455 - Intrinsically Safe (FM)) (PR1500: requires BDN6676 - Intrinsically Safe (FM))	$118.00
		X	X	BDN6732	3-Wire Surveillance Kit with Microphone & PTT Separate with Extra Loud Earphone, Black (exceeds OSHA limits) (EX500 & EX600•XLS: requires PMLN4455 - Intrinsically Safe (FM)) (PR1500: requires BDN6676 - Intrinsically Safe (FM))	$150.00
		X	X	BDN6780	Earbud with Clip Microphone and PTT Combined, Transmit & Receive (2-wire) (EX500 & EX600•XLS: requires PMLN4455 - Intrinsically Safe (FM)) (PR1500: requires BDN6676 - Intrinsically Safe (FM))	$67.00

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PROFESSIONAL PORTABLE ACCESSORIES

PR860	HT750/HT1250	EX500	PR1500	MODEL NUMBER	DESCRIPTION	MSRP
				Earpieces (continued):		
		X	X	BDN6781	Earbud, Receive Only (single wire) (EX500 & EX600•XLS: requires PMLN4455 - Intrinsically Safe (FM)) (PR1500: requires BDN6676 - Intrinsically Safe (FM))	$27.00
X	X			ENMN4013	Flexible Ear Receiver (flexible earloop & speaker that rests external to the ear) - Intrinsically Safe (FM)	$60.00
X	X			ENMN4014	3-Wire Surveillance Kit with Microphone & PTT Separate, Black - Intrinsically Safe (FM)	$165.00
X	X			ENMN4017	3-Wire Surveillance Kit with Microphone & PTT Separate, Beige - Intrinsically Safe (FM)	$165.00
			X	NNTN8294	Operations Critical Wireless Earbud with 11.4" cable, inline mic, BLACK. Optimized to work with the Intelligent Audio feature. Must be ordered with NNTN8127 wireless PTT Pod	$40.00
			X	NNTN8295	Operations Critical Wireless Earbud with 45.7" cable, inline mic, BLACK. Optimized to work with the Intelligent Audio feature. Must be ordered with NNTN8127 wireless PTT Pod	$40.00
			X	NNTN8299	Replacement Eartips	$3.15
		X		PMLN4393	Flexible Ear Receiver with 2.5mm Plug (for use with Remote Speaker Microphone (JMMN4073) - contains a flexible earloop and speaker that rests external to the ear.	$35.50
		X		PMLN4519	Earbud with Clip Microphone and PTT, Transmit and Receive - (2-wire - Intrinsically Safe (FM))	$85.00
X	X			PMLN4556	Earbud In-Line PTT/MIC/VOX SW (MAGONE)	$26.50
X	X			PMLN4557	Earpiece In-Line PTT/MIC/VOX SW (MAGONE)	$28.50
X	X	X	X	PMLN4620	D-Shell Receive Only Earpiece with 3.5mm plug to be used with the Remote Speaker Microphone or Public Safety Microphone - Intrinsically Safe (FM)	$19.00
X	X	X		RLN4760	Small Custom Earpiece, Right Ear (for use with RLN6232)	$20.50
X	X	X		RLN4761	Medium Custom Earpiece, Right Ear (for use with RLN6232)	$20.50
X	X	X		RLN4762	Large Custom Earpiece, Right Ear (for use with RLN6232)	$20.50
X	X	X		RLN4763	Small Custom Earpiece, Left Ear (for use with RLN6232)	$20.50
X	X	X		RLN4764	Medium Custom Earpiece, Left Ear (for use with RLN6232)	$20.50
X	X	X		RLN4765	Large Custom Earpiece, Left Ear (for use with RLN6232) Reduction Rating = 24dB	$20.50
X	X	X		RLN4922	Completely Discreet Earpiece Kit - must be used with any standard 2 or 3-wire surveillance kit	$340.00
X	X	X	X	RLN4941	Receive-Only Earpiece with translucent tube, rubber eartip and 3.5mm plug (for use with the Remote Speaker Microphone or Public Safety Microphone)	$58.00
X	X			RLN5315	2-Wire Comfort Earpiece w/Combined Microphone & PTT, Black Surveillance Kits w/Extended-Wear Comfort Earpieces include Low Noise enhancement (RLN6232) already attached for extra comfort & convenience.	$108.00
X	X			RLN5316	2-Wire Comfort Earpiece w/Combined Microphone & PTT, Beige Surveillance Kits w/Extended-Wear Comfort Earpieces include a Low Noise enhancement (RLN6232) already attached for extra comfort & convenience	$108.00
X	X	X	X	RLN6230	Extreme Noise Kit - Includes 2 foam earplugs. For High Noise Environments. Noise Reduction = 24dB. The Quick Disconnect Adapter allows users to easily remove or alternate Acoustic Tubes (for use with Surveillance Accessories). Black	$32.00
X	X	X	X	RLN6231	Extreme Noise Kit - Includes 2 foam earplugs. For High Noise Environments. Noise Reduction = 24dB. The Quick Disconnect Adapter allows users to easily remove or alternate Acoustic Tubes (for use with Surveillance Accessories). Beige	$32.00
X	X	X	X	RLN6232	Low Noise Kit - Clear Acoustic Tube Assembly includes 1 Clear Rubber Eartip. For Low Noise Environments. The Quick Disconnect Adapter allows users to easily remove or alternate Acoustic Tubes (for use with Surveillance Accessories). Black	$20.00
X	X	X	X	RLN6241	Low Noise Kit - Clear Acoustic Tube Assembly includes 1 Clear Rubber Eartip. For Low Noise Environments. The Quick Disconnect Adapter allows users to easily remove or alternate Acoustic Tubes (for use with Surveillance Accessories). Beige	$20.00
X	X	X	X	RLN6242	Quick Disconnect Acoustic Tube Replacement (each sold separately)	$7.90
X	X	X	X	WADN4190	Receive-Only Flexible Ear Receiver to be used with the Remote Speaker Microphone or Public Safety Microphone - Intrinsically Safe (FM)	$43.00
			X	ZMN6031	3-Wire Surveillance Kit with Microphone & PTT Combined, Beige (PR1500 - requires NTN8613 adapter)	$177.00
			X	ZMN6032	2-Wire Surveillance Kit with Microphone & PTT Combined, Beige (PR1500 - requires NTN8613 adapter)	$143.00
			X	ZMN6038	2-Wire Surveillance Kit with Microphone and PTT Combined, Beige (PR1500 - requires NTN8613 adapter - exceeds OSHA limits - Extra Loud)	$149.00
			X	ZMN6039	3-Wire Surveillance Kit with Microphone & PTT Combined, Beige (PR1500 - requires NTN8613 adapter - exceeds OSHA limits - Extra Loud)	$190.00
				General Accessories:		
			X	BDN6676	3.5mm Jack Adapter with Quick Disconnect Latch - for use with 1, 2 & 3-wire earpiece and lightweight headset accessories - Intrinsically Safe (FM)	$52.50
			X	BDN6673	Headset Adapter Cable - Intrinsically Safe (FM)	$230.00
	X			HLN9820	Accessory Dust Cover	$7.00
		X		JMLN4638	Accessory Dust Cover	$6.00
			X	NTN8613	Keyload Adapter	$89.25
				Headsets:		
		X		PMLN4455	Audio Accessory Adapter (this allows use of the HT1000 3.5mm audio accessories as noted within the price pages) - Intrinsically Safe (FM)	$43.50
X	X	X		RLN4890	Assistive Turning Knobs	$15.75
X	X			AARMN4017	Ultra-Light Headset with Boom Microphone, Earbud Style Receiver - Intrinsically Safe (FM)	$55.00
X	X			AARMN4018	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone and In-Line PTT - Intrinsically Safe (FM) (Resale Packaging available through RPSD)	$100.00

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PROFESSIONAL PORTABLE ACCESSORIES

PR860	HT750/HT1250	EX500	PR1500	MODEL NUMBER	DESCRIPTION	MSRP
				Headsets (continued):		
X	X			AARMN4019	Medium Weight over-the-head Dual Muff Headset with Noise Cancelling Microphone & In-Line PTT - Noise Reduction Rating = 24dB - Intrinsically Safe (FM)	$265.00
X	X			AARMN4020	Push-to-Talk or (VOX) Voice Activated Heavy Duty Dual Muff Headset with Noise Cancelling Microphone and PTT on Earcup, Noise Reduction Rating = 24dB - Intrinsically Safe (FM)	$525.00
X	X			AARMN4031	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone - Intrinsically Safe (FM)	$65.00
X	X			AARMN4032	Medium Weight over-the-head Dual Muff Headset with Noise Cancelling Microphone - Noise Reduction Rating = 24dB - Intrinsically Safe (FM)	$240.00
		X	X	BDN6635	Heavy Duty Noise Cancelling Boom Microphone Headset with VOX - Noise Reduction Rating = 24dB (EX500 & EX600•XLS: requires RKN4093) (PR1500: requires BDN6673)	$906.00
		X	X	BDN6636	Heavy Duty Noise Cancelling Throat Microphone Headset with VOX - Noise Reduction Rating = 24dB (EX500 & EX600•XLS: requires RKN4093) (PR1500: requires BDN6673 - Intrinsically Safe (FM))	$857.00
		X	X	BDN6645	Heavy Duty Noise Cancelling Boom Microphone Headset with PTT on Earcup - (requires separate adapter cable) - Noise Reduction Rating = 24dB (EX500 & EX600•XLS: requires RKN4093) (PR1500: requires BDN6673 - Intrinsically Safe (FM))	$439.00
X	X			ENMN4012	Ultra-Light Headset, behind-the-head with In-Line PTT and Boom Microphone - Intrinsically Safe (FM)	$110.00
X	X			ENMN4016	Medium Duty Headset, behind-the-head, with In-Line PTT & Noise Cancelling Boom Microphone, Noise Reduction Rating = 24dB - Intrinsically Safe (FM)	$270.00
		X		JMMN4066	Lightweight Single Muff Adjustable Headset w/Swivel Boom Microphone & In-Line PTT - Intrinsically Safe (FM)	$115.00
			X	NMN1020	Lightweight Helmet Worn Headset (requires BDN6676) - Intrinsically Safe (FM)	$329.00
		X	X	NMN6245	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone and In-Line PTT Switch (EX500 & EX600•XLS: requires PMLN4455 - Intrinsically Safe (FM)) (PR1500: requires BDN6676 - Intrinsically Safe (FM))	$149.00
		X	X	NMN6246	Ultra-Light Headset with Boom Microphone and In-Line Push-to-Talk, Earbud Style Receiver (EX500 & EX600•XLS: requires PMLN4455 - Intrinsically Safe (FM)) (PR1500: requires BDN6676 - Intrinsically Safe (FM))	$129.00
			X	NMN6258	Medium Weight Headset, Over-the-Head, w/In-Line PTT. Noise Red. Rating = 24dB - Intrinsically Safe (FM))	$389.00
			X	NMN6259	Medium Duty Headset, Behind-the-Head, w/In-Line PTT. Noise Red. Rating = 24dB - Intrinsically Safe (FM))	$425.00
X	X			PMLN4558	Headset In-Line PTT/VOX SW (MAGONE)	$40.00
		X		PMLN4585	Temple Transducer - Receive audio without covering the ear; behind-the-head style headset allows user to receive audio through the temples. Headset features a noise cancelling boom microphone and In-Line PTT - Intrinsically Safe (FM)	$175.00
		X		PMLN5320	Heavy Duty Headset with PTT on Earcup, Noise Reduction=24dB	$485.00
X	X			PMLN6088	Headband Headset with Nexus Jack	$318.11
X	X			PMLN6095	In-line PTT Adapter, GCAI	$315.67
X	X			PMLN6803	Audio Adapter ATEX Small PTT Adapter	$315.67
X	X			RKN4091	Adapter Cable for Racing Headset (for use with RMN5015)	$140.00
		X		RKN4093	Adapter Cable (use with RMN5015, BDN6645, BDN6635 & BDN6636 headsets)	$105.00
X	X			RKN4097	In-Line PTT Adapter Cable (for use w/RMN4051, RMN4052 & RMN4053 Headsets)	$199.00
		X		RLN5590	Lightweight Headset with Boom Microphone (EX500 models only)	$80.00
X	X			RMN4048	Temple Transducer - Receive audio without covering the ear; behind-the-head style headset allows user to receive audio through the temples. Headset features a noise cancelling boom microphone and In-Line PTT - Intrinsically Safe (FM)	$175.00
			X	RMN4049	Temple Transducer - Receive audio without covering the ear, behind-the-head style headset allows user to receive audio through the temples. Headset features a noise cancelling boom microphone and In-Line PTT - Intrinsically Safe (FM)	$225.00
X	X			RMN4051	2-Way Hard-Hat Mount Headset, Black - Noise Reduction Rating = 22dB (requires RKN4097 or RKN4094)	$299.00
X	X			RMN4052	Tactical Headband - Style Headset, Gray - Noise Reduction Rating = 24dB (requires RKN4097 or RKN4094)	$388.33
X	X			RMN4053	Tactical Hard - Hat Mount Headset, Gray - Noise Reduction Rating = 22dB (requires RKN4097 or RKN4094)	$388.33
X	X			RMN4055	RX Only Headband Headset 3.5MM RT Angle Plug	$129.17
X	X			RMN4056	RX Only Hardhat Mount 3.5MM RT Angle Plug	$145.00
X	X			RMN4057	RX Only Hardhat Mount 3.5MM Threaded	$145.00
X	X	X		RMN5015	Racing Headset - Same headset worn by pit crews on the CART racing circuit. Heavy Duty, behind-the-head (can be worn with hardhat) Headset with Noise Cancelling Swivel Boom Microphone. Noise Reduction Rating = 24dB (adapter cable required and sold separately)	$500.00
X	X			RMN5047	NFL Style Heavy Duty Headset (HT750, HT1250 & PR860 - requires AAHLN9716 Adapter)	$225.00
X	X			RMN5048	Rugged Temple Transducer - Fully adjustable over-the-head style headset allows user to receive audio through the temples. Headset comes with a larger In-Line PTT and a larger noise canceling boom microphone than the standard model - Intrinsically Safe (FM)	$290.00
			X	RMN5049	Rugged Temple Transducer Headset - features a noise cancelling boom microphone and In-Line PTT	$340.00
X	X			RMN5132	3M Peltor HT Series Listen Only, HTM79B-34, Communications Headset Neckband	$146.77
X	X			RMN5133	3M Peltor HT Series Listen Only, HTM79P3E-34, Communications Headset Helm	$146.77
X	X			RMN5135	3M Peltor TacticalPro 2-Way Communications Headset, MT15H7B-07-34 SV, Neckband	$440.49
				Microphones:		
			X	0104026J83	Replacement Cable for Remote Speaker Microphone (PMMN4045)	$52.00
			X	0104028J67	Replacement Cable for Remote Speaker Microphone (PMMN4051)	$52.00
X	X			3015829H01	Replacement Cable for Remote Speaker Microphone (PMMN4021)	$35.00
X	X			3015829H02	Replacement Cable for Remote Speaker Microphone (PMMN4027)	$35.00
X	X			PMMN4021	Remote Speaker Microphone with Ear Jack, Coiled Cord and Swivel Clothing Clip - Intrinsically Safe (FM)	$66.25
		X		PMMN4022	Remote Speaker Microphone with Ear Jack, Coiled Cord and Swivel Clothing Clip - Intrinsically Safe (FM)	$85.00
		X		PMMN4023	Remote Speaker Microphone with IP57 Rating, Coiled Cord and Swivel Clothing Clip - Intrinsically Safe (FM)	$89.00

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PROFESSIONAL PORTABLE ACCESSORIES

PR860	HT750/HT1250	EX500	PR1500	MODEL NUMBER	DESCRIPTION	MSRP
				Microphones (continued):		
X	X			PMMN4027	Remote Speaker Microphone with IP57 Rating, Coiled Cord and Swivel Clothing Clip - Intrinsically Safe (FM)	$69.00
			X	PMMN4038	Remote Speaker Microphone with IP57 Rating, Coiled Cord & Swivel Clothing Clip - Intrinsically Safe (FM)	$88.50
X	X			PMMN4039	Noise Cancelling Remote Speaker Microphone with Coiled Cord, Swivel Clothing Clip and 3.5mm Audio Jack - Intrinsically Safe (FM)	$75.00
X	X			PMMN4044	Remote Speaker Microphone with Volume, IP57 - Intrinsically Safe (FM)	$110.00
			X	PMMN4051	Remote Speaker Microphone with 3.5mm earjack at head of microphone with Coiled Cord & Swivel Clothing Clip - Intrinsically Safe (FM)	$89.00
			X	PMNN4045	Noise Cancelling Remote Speaker Microphone with 3.5mm earjack at head of microphone with Coiled Cord & Swivel Clothing Clip - Intrinsically Safe (FM)	$97.00
X	X			RMN5035	UHF Public Safety Microphone, 30" Straight Cable with 3.5mm Audio Jack, volume switch and antenna (450-470 MHz Only) - Intrinsically Safe (when using a carry case with the professional public safety microphone, please include HLN7020 - carry case strap adapter)	$150.00
X	X			RMN5036	VHF Public Safety Microphone, 30" Straight Cable with 3.5mm Audio Jack, volume switch and antenna (148-174 MHz Only) - Intrinsically Safe (when using a carry case with the professional public safety microphone, please include HLN7020 - carry case strap adapter)	$150.00
			X	RMN5038	Remote Speaker Microphone with Emergency Button - Intrinsically Safe (FM)	$120.00
			X	RMN5072	UHF / 700 / 800 Public Safety Speaker Microphone with 3.5 mm audio jack, volume switch, and 30" straight cord (not compatible with VHF & antenna not included) - Intrinsically Safe (FM)	$160.00
			X	RMN5073	UHF / 700 / 800 Public Safety Speaker Microphone with 3.5 mm audio jack, volume switch, and 24" straight cord (not compatible with VHF & antenna not included) - Intrinsically Safe (FM)	$160.00
			X	RMN5074	UHF / 700 / 800 Public Safety Speaker Microphone with 3.5 mm audio jack, volume switch, and 18" straight cord (not compatible with VHF & antenna not included) - Intrinsically Safe (FM)	$160.00
X	X			RMN5075	UHF Public Safety Microphone, 24" Straight Cable with 3.5mm Audio Jack, volume switch and antenna (450-470 MHz Only) - Intrinsically Safe (when using a carry case with the professional public safety microphone, please include HLN7020 - carry case strap adapter)	$150.00
X	X			RMN5076	VHF Public Safety Microphone, 24" Straight Cable with 3.5mm Audio Jack, volume switch and antenna (148-174 MHz Only) - Intrinsically Safe (when using a carry case with the professional public safety microphone, please include HLN7020 - carry case strap adapter)	$150.00
				Ear Microphones:		
X	X	X	X	0180300E83	Body Switch Push to Talk for Ear Microphone System - Intrinsically Safe (FM)	$159.00
X	X	X		0180358B38	Finger Push to Talk Switch for Ear Microphone System - Intrinsically Safe (FM)	$52.50
X	X		X	BDN6641	Ear Microphone, Gray (for high noise levels up to 105dB) - req. Interface Module Intrinsically Safe (FM). ***NOTE: Only for use with AARMN4044 & AARMN4045***	$247.00
			X	BDN6671	Ear Microphone Interface Module with Selectable Switch for PTT or VOX Operation - Intrinsically Safe (FM)	$347.00
X	X		X	BDN6677	Ear Microphone, Black (for noise levels up to 95dB) - requires Interface Module Intrinsically Safe (FM). ***NOTE: Only for use with AARMN4044 &AARMN4045***	$198.00
X	X		X	BDN6678	Ear Microphone, Beige (for noise levels up to 95dB) - requires Interface Module Intrinsically Safe (FM). ***NOTE: Only for use with AARMN4044 &AARMN4045***	$198.00
			X	BDN6708	Ear Microphone Interface Module, PTT Operation Only - Intrinsically Safe (FM)	$284.00
		X		BDN6768	Ear Microphone, Black (for noise levels up to 95dB) - requires Interface Module Intrinsically Safe (FM). ***NOTE: Only for use with RMN5117 & JMMN4064***	$198.00
		X		BDN6769	Ear Microphone, Beige (for noise levels up to 95dB) - requires Interface Module Intrinsically Safe (FM). ***NOTE: Only for use with RMN5117 & JMMN4064***	$198.00
		X		BDN6770	Ear Microphone, Gray (for high noise levels up to 105dB) - req. Interface Module Intrinsically Safe (FM). ***NOTE: Only for use with RMN5117 & JMMN4064***	$247.00
		X		JMMN4064	Interface Module for PTT or VOX Operation - Intrinsically Safe (FM)	$347.00
			X	PMLN5464	Bone Conduction Ear Microphone System	$395.00
X	X			RMN5117	Interface Module for PTT or VOX Operation - Intrinsically Safe (FM)	$347.00
				CommPort: Integrated Microphone/Receiver: *CommPort Integrated Microphone/Receiver System is a communication device that is intelligible in high noise levels up to 100dB. This device's acoustic technology does not rely on bone conduction for communication.*		
X	X			AAHLN9717	Replacement Audio Adapter with 3.5mm jack for CommPort Integrated Microphone Receiver System	$52.50
X	X		X	NKN6508	Replacement Cable for NTN1722 & NTN1625	$34.50
X	X			NKN6510	Replacement Palm PTT Cable for NTN1624 & NTN1723	$53.00
X	X		X	NKN6512	Replacement Ring PTT Cable for NTN1663 & NTN1724	$60.25
X	X		X	NKN6525	Replacement Snap-on-Side PTT Cable for NTN1736 & NTN1737	$75.00
X	X			NNTN4187	Integrated Microphone Receiver with Remote Push-to-Talk Body Switch - Intrinsically Safe (FM)	$485.00
X	X			NNTN4188	Replacement Remote PTT Body Switch	$180.00
			X	NTN1624	Integrated Ear Microphone & Receiver System with Palm PTT - Intrinsically Safe (FM)	$419.00
			X	NTN1625	Integrated Ear Microphone & Receiver System with PTT on Radio Adapter - Intrinsically Safe (FM)	$419.00
			X	NTN1663	Integrated Ear Microphone & Receiver System with Ring PTT - Intrinsically Safe (FM)	$429.00
X	X			NTN1722	Integrated Ear Microphone & Receiver System with PTT on Radio Adapter - Intrinsically Safe (FM)	$344.00
X	X			NTN1723	Integrated Ear Microphone & Receiver System with Palm PTT - Intrinsically Safe (FM)	$370.00
X	X			NTN1724	Integrated Ear Microphone & Receiver System with Ring PTT - Intrinsically Safe (FM)	$370.00
			X	NTN1736	Integrated Ear Microphone / Receiver with Snap-on-Side PTT - Intrinsically Safe (FM)	$429.00
X	X			NTN1737	Integrated Ear Microphone & Receiver with Snap-on-Side PTT - Intrins. Safe (FM)	$378.00
X	X			NTN8821	CommPort Maintenance Kit - includes Replacement Ear Tubes (qty 10), Windscreens (qty 2) and Microphone Seal Strips (qty 10)	$46.00
X	X			NTN8986	Adhesive Pads (qty 90) for secure attachment to the ear	$23.00

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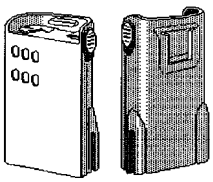
SUGGESTED RETAIL

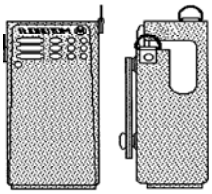
PROFESSIONAL PORTABLE ACCESSORIES

PR860	HT750/HT1250	EX500	PR1500	MODEL NUMBER	DESCRIPTION	MSRP
				Retrofit Boards:		
X	X			NTN8988	Ear Straps (qty 10) for secure attachment to the ear	$17.25
X	X			AAENLN4150	Mandown Option Board - Field Install Only. Not for use on any LowBand models or 4 channel models	$150.00
X	X			AAHLN9725	Voice Storage Option Board - Field Install Only	$74.75
X	X			AAHLN9729	DTMF Decode Option Board - Field Install Only. (HT750 - not for use on 4 channel models)	$104.00
	X			HLN9984	DTMF & Keypad Retrofit Kit for HT750 - 16 Channel Models ONLY	$79.25
				Service Equipment: *Pricing for service parts can be found on MOL or by contacting Customer Service*		
X	X	X		0180357A57	Wall Mounted Power Supply, 120V (for use with RLN4008)	Call for pricing
X	X	X		3080369B72	9 Pin PC to Radio Interface Box Cable (IBM AT or compatible)	Call for pricing
X	X			AA0180305G54	Battery Eliminator Cable (requires RLN4510 - 7.5 V)	Call for pricing
X	X			AAHLN9742	Flash Upgrade Adapter - adapts either AARKN4074 or RKN4075 for use in flashing	Call for pricing
		X		AAJMKN4123	Programming & Test Cable - Progr. cables require a Radio Interface Box (RIB).	Call for pricing
		X		AAJMKN4124	Cloning Cable	Call for pricing
X	X			AARKN4074	Programming & Test Cable - Require a Radio Interface Box (RIB), also compatible with RLN4460 used for radio testing. (Multi-Language manual)	Call for pricing
	X	X		H5177	Portable & Mobile Programming Software Plus (CPS+) - 3 Year Subscription Package - HVN9025 includes CPS/PPCPS (PassPort® Customer Programming Software), CPS tutorial, reflashing tool and freq. finder application for the HT, EX, CDM & MTX•LS Series. MTX Series Privacy Plus uses HVN9067 and is compatible with RLN4460 used for radio testing. (HVN9025 is compatible with Windows® 95/98/2000 (SP3 or later version)/Millennium (ME)/ Windows NT®. HVN9067 is compatible with Windows® 95/98/Windows NT®.) A Mobile Programming Cable (AARKN4074 or AARKN4083) must be purchased separately. ***Note: Software requires a license agreement and is not intended for resale.***	Call for pricing
X	X			RKN4073	Cloning Cable (Multi-Language manual)	Call for pricing
X	X			RKN4075	Ribless Programming Cable - provides interface between computer and radio - (not compatible with RIB) (Multi-Language Manual)	Call for pricing
			X	RKN4105	USB Programming Cable - uses RVN4181 CPS - No RIB Box required.	Call for pricing
			X	RKN4106	RS232 Programming Cable - uses RVN4181 CPS - No RIB Box required.	Call for pricing
X	X	X		RLN4008	Radio Interface Box (RIB)	Call for pricing
X	X	X		RLN4460	Test Box for Portables and Mobiles	Call for pricing
X	X			RLN4510	7.5 Volt Universal Battery Eliminator	Call for pricing
			X	RVN4181	Portable & Mobile Programming Software (CPS): 3-Yr Subscription Pkg Programs - PR1500/MT1500/ XTS1500/XTS2500/XTS5000/SSE5000. Compatible w/Windows® 95/98/2000 (SP3 or later version)/ Millennium (ME) / Windows NT®, and Windows XP®. Uses Ribless programming cables RKN4105 (USB) or RKN4106 (RS232) & must be purchased separately if required. ***Note: Software requires a license agreement and is not intended for resale.***	Call for pricing
X				RVN5022	Portable & Mobile Programming Software (CPS) - 3 Year Subscription Package - PR860. Compatible with Windows® 95/98/2000 (SP3 or later version) / Millennium (ME) / Windows NT®, and Windows XP®. Uses programming cables AARKN44074 (requires Radio Interface Box) or RKN4075 and must be purchased separately if required. ***Note: Software requires a license agreement and is not intended for resale.***	Call for pricing
				User Manuals:		
	X			6880906Z54-D	HT750, HT1250, HT1250•LS+, HT1550•XLS, MTX850, MTX950, MTX8250, MTX9250, MTX850•LS & MTX8250•LS Basic Service Manual	$11.00
	X			6881088C37-O	HT1250 User Manual	$14.00
	X			6881088C46-E	HT750, HT1250, HT1250•LS+, HT1550•XLS, MTX850, MTX950, MTX8250, MTX9250, MTX850•LS & MTX8250•LS Detailed Service Manual	$27.00
	X			6881089C97-O	HT750 User Manual	$14.00
		X		6881094C00-A	EX500 & EX600•XLS Basic Service Manual	$10.00
			X	6881094C09	PR1500/MT1500 Basic Service Manual	$13.75
			X	6881094C10	PR1500/MT1500 Detailed Service Manual	$31.75
		X		6881094C21-O	EX500 & EX600•XLS Detailed Service Manual	$25.00
X				6881098C42	PR860 Basic Service Manual	$15.00
X				6881098C43	PR860 Detailed Service Manual	$20.00
		X		HKLN4118	EX500 User Guide (English & French)	$13.52

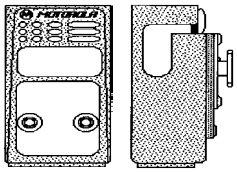
PORTABLE ACCESSORIES
GRAPHICS



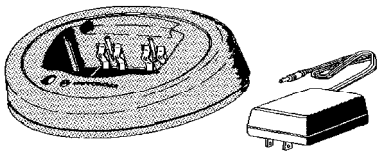
HNN9013_R
Li-ion, 7.5V Battery



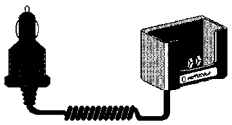
HLN9665
Leather Case with Belt Loop for NiMH & NiCd Batteries



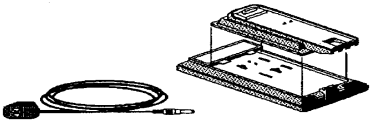
HLN9694
Leather DTMF Case with Swivel for NiMH & NiCd Batteries



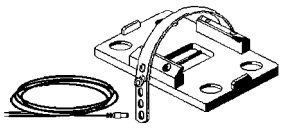
AAHTN3000
120 Volt Single Unit Rapid Rate Charger



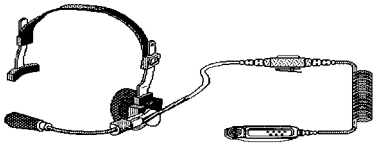
RLN4883
Travel Charger



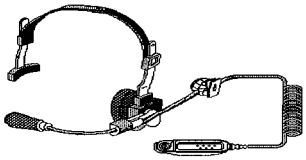
WPLN4107_R
Motorola Conditioning Charger



RLN4814
Vehicular Mounting Bracket



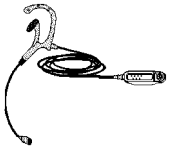
AARMN4018
Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone & In-Line PTT



AARMN4031
Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone

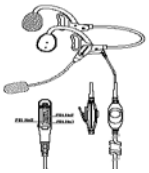
PORTABLE ACCESSORIES
GRAPHICS

AARMN4019
Medium Weight over-the-head Dual Muff Headset with Noise Cancelling Microphone & In-Line PTT

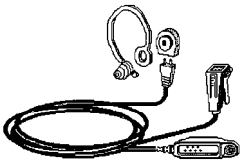


AARMN4017
Ultra-Light Headset with Boom Microphone

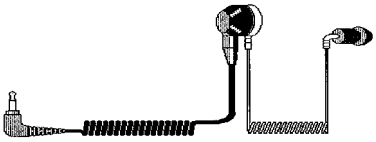
AARMN4032
Medium Weight over-the-head Dual Muff Headset with Noise Cancelling Microphone



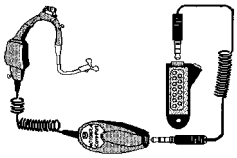
RMN4048
Temple Transducer



AARMN4022 / AARMN4029
2 Wire Surveillance Kit with Microphone & PTT - Combined



RLN4941
Receive-Only Earpiece



NTN1722
Integrated Ear Microphone / Receiver System with PTT on Radio

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Date 1/1/14
SUGGESTED RETAIL

MT™ 1500
VHF & UHF / 800 MHz PORTABLES
12.5/25 kHz*

All MT1500 portable models include:
- IMPRES NiMH 1850 mAh Battery (NTN9858)
- Antenna (8505518V01 VHF / NAD6549 UHF / 8505241U03 800 MHz)
- 3 Programmable Side Buttons
- Orange Emergency Button
- 16 Position Mode Rotary Select Switch
- 4 / 12 / Front Mount Alphanumeric Display Lines / Characters Per Line
- On / Off Volume
- Low Battery Alert Tone
- Noise Reduction Software
- 1 Top Mounted Programmable Three Position Concentric Switch
- Weather Sealed Universal Connector
- Bi-Color LED Indicator
- Detachable Belt Clip
- Audio Gain Control
- One Year Warranty

Model 1.0

Model 1.5

Notes:
1. Trunking capable portables are only available through Above the Pricebook (APB).
2. Charger does not ship standard.

ORDERING REQUIREMENTS
1. Order the MT 1500 Portable as the main line item.
2. A System Software Package (Q833 or Q443) MUST be ordered for each radio unit ordered.
3. A charger does not ship standard with the radio. See Chargers in the accessory section.
4. *25 kHz applies to 800 MHz models only.

OPERATING MODES
Capable of operation in voice communication modes:
- Conventional Software with MDC1200 (Q833)
- 3600 Analog Trunking (Q443)

Capable of 48 modes when the programmable Concentric Top Mounted Switch is used for Zone Operation. The mode of operation is programmed on a channel-by-channel basis.

CHANNEL SPACING
There are no maximum frequency separation conditions that must be adhered to on the MT 1500 Portable Radio Series. Separation of frequencies can be as wide as the allowable sub-band per radio model with no degradation of any performance specifications. If an incorrect antenna is used, degraded performance may be experienced.

Radio Features:

RADIO WIDE FEATURES:	
MT 1500 Model 1.0 / 1.5 Maximum Modes	48
Analog Operation	Yes
12.5 KHz Only Programmable Channels	Yes
Secure Capable	No
Radio Wide Transmit Inhibit	No
Time Out Timer	Yes

Conventional Features are additional radio wide features beyond those specified above.	
CSQ/PL/DPL	Yes
Dual Priority Channel Scan	No
Adaptive Power Control	Yes
Repeater/Talkaround Operation	Yes
MDC-1200 Silent Emergency Alarm	Yes
MDC-1200 PTT-ID Encode	Yes
MDC Repeater Access	Yes
MDC Request to Talk (RTT)	Yes
MDC Status, Status Request. Message	Yes

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Date 1/1/14

SUGGESTED RETAIL

MT™ 1500
PORTABLE
VHF & UHF / 800 MHz Conventional

Model 1.0

BAND SPLIT	BAND	CHANNEL	WATTS	CATALOG MODEL	MSRP
138-174 MHz	VHF	48	1-5W	H67KDC9PW5_N	$650.00
380-470 MHz	UHF	48	1-5W	H67QDC9PW5_N	$650.00
450-520 MHz	UHF	48	1-5W	H67SDC9PW5_N	$650.00
806-870 MHz	800 MHz	48	1-3W	H67UCC9PW5_N	$650.00

Model 1.5

BAND SPLIT	BAND	CHANNEL	WATTS	CATALOG MODEL	MSRP
138-174 MHz	VHF	48	1-5W	H67KDD9PW5_N	$750.00
380-470 MHz	UHF	48	1-5W	H67QDD9PW5_N	$750.00
450-520 MHz	UHF	48	1-5W	H67SDD9PW5_N	$750.00
806-870 MHz	800 MHz	48	1-3W	H67UCD9PW5_N	$750.00

FCC INFORMATION: AZ489FT3807 (VHF/UHF) / AZ489FT5816 (800 MHz)

Options:

Software Package Options: EACH MODEL MUST BE ORDERED WITH A SOFTWARE PACKAGE OPTION

Q833	Conventional Software with MDC1200	$440.00
Q443	3600 Analog Trunking	$540.00

Battery Options:

H335	IMPRES NiMH, 1850 mAh Battery (NTN9858)	$61.00
Q393	IMPRES NiMH, 1700 mAh Battery, Intrinsically Safe (NTN9857)	$47.00

Belt Clip Options:

H301	Omit Belt Clip (HLN6853)	N/C

Antenna Options:

VHF		
H128	VHF 136-150.8 MHz, Wideband Helical Antenna (8505644V01)	N/C
H129	VHF 150.8-162 MHz, Wideband Helical Antenna (8505644V02)	N/C
H65	VHF 162-178 MHz, Helical Antenna (8505644V03)	N/C
H112	Omit Standard VHF Antenna (8505518V01)	-$10.00
UHF		
H125	UHF 403-435 MHz, Helical Antenna (NAE6546_R)	N/C
H126	UHF 435-470 MHz, Helical Antenna (NAE6547_R)	N/C
H127	UHF 470-520 MHz, Helical Antenna (NAE6548_R)	N/C
H112	Omit Standard UHF Antenna (NAD6549)	-$10.00
800 MHz		
H122	806-870 MHz, Injection Molded 3.5" Whip Antenna (8505241U06)	-$5.00
H112	Omit Standard Antenna 800 MHz (8505241U03)	-$10.00

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SUGGESTED RETAIL

MT™ 1500
PORTABLE
VHF & UHF / 800 MHz Conventional

Manual Options:		
H145	MT 1500 User Manual	N/C
Warranty Options:		
Q884	1 Year Service from the Start -LITE - Provides 1 year of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$44.00
H885	2 Year Service from the Start -LITE - Provides 2 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$84.00
H886	3 Year Service from the Start -LITE - Provides 3 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$125.00

For technical training of Motorola products, please visit:
https://learning.motorolasolutions.com/

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SUGGESTED RETAIL

MT™ 1500 PORTABLE ACCESSORIES

MT™ 1500	MODEL NUMBER	DESCRIPTION	MSRP
	Antennas:		
X	8505241U03	806-870 MHz Injection Molded Whip Antenna	$35.75
X	8505241U06	806-870 MHz Injection Molded 3.5" Whip Antenna	$25.50
X	8505518V01	VHF Wideband Dipole 7.5", 136-174 MHz	$24.00
X	8505644V01	VHF Helical Antenna, 136-150.8 MHz	$16.50
X	8505644V02	VHF Helical Antenna, 150.8-162 MHz	$16.50
X	8505644V03	VHF Helical Antenna, 162-178 MHz	$16.50
X	NAE6546_R	UHF Helical Antenna, 403-435 MHz	$16.50
X	NAE6547_R	UHF Helical Antenna, 435-470 MHz	$16.50
X	NAE6548_R	UHF Helical Antenna, 470-520 MHz	$16.50
X	NAF5039	800 MHz Dipole Antenna, 806-870 MHz	$35.00
	Batteries:		
X	NTN9815	NiCd, 1525 mAh, 7.5V Battery	$100.00
X	NTN9816	NiCd, 1525 mAh, 7.5V Battery - Intrinsically Safe (FM)	$121.00
	IMPRES™: *The IMPRES smart energy system ensures maximum talk-time and optimized battery cycle life through the use of its advanced charging technology and automatic reconditioning features, when used with IMPRES batteries.*		
X	NNTN6263	IMPRES™, NiMH FM Immersible 2000 mAh Battery	$135.00
X	NNTN7335	IMPRES™, Li-ion, 2700 mAh, IP67 Battery	$135.00
X	NNTN7554	IMPRES™, Li-ion, Std IP67 Battery	$125.00
X	NTN9857	IMPRES™, NiMH, 1700 mAh, 7.5V Battery - Intrinsically Safe (FM)	$130.00
X	NTN9858	IMPRES™, NiMH, 1850 mAh, 7.5V Battery	$110.00
	Carrying Cases:		
X	HLN6853	2.25" Spring Action Belt Clip	$11.50
X	NNTN4115	Leather Case with High Activity 3" Swivel	$60.00
X	NNTN4116	Leather Case with High Activity 2.5" Swivel	$60.00
X	NNTN4117	Leather Case with Belt Loop	$60.00
X	NTN8383	T-Strap Leather Case with Plain Action Snaps	$10.50
X	NTN8384	T-Strap Leather Case with Hard Action Snaps	$10.50
	Chargers:		
X	NLN7967	Wall Mount Kit for Multi-Unit Charger	$21.00
X	NTN1667	110V Single Unit Universal Tri-Chemistry Charger	$100.00
X	NLN7968	6 Unit Rack Mount Charger	$55.00
X	NTN9176	Vehicular Charger	$390.00
	IMPRES™: *The IMPRES smart energy system ensures maximum talk-time and optimized battery cycle life through the use of its advanced charging technology and automatic reconditioning features, when used with IMPRES batteries.*		
X	WPLN4130	IMPRES™ Multi Unit Charger with Display Modules - displays real-time for IMPRES™ batteries - mAh, % capacity, time remaining to rapid charge complete (NiCd/NiMH batteries), battery s/n, charge status, voltage, kit number, expected full charge capacity & more.	$1,350.00
X	WPLN4111_R	IMPRES™, Charger	$165.00
X	WPLN4108_R	IMPRES™, Multi-Unit Charger	$788.00
	Earpieces:		
X	BDN6641	Ear Microphone, Gray (for high noise levels up to 105dB) - requires Interface Module - Intrinsically Safe (FM)	$247.00
X	BDN6671	Ear Microphone Interface Module with Selectable Switch for PTT or VOX Operation - Intrinsically Safe (FM)	$347.00
X	BDN6677	Ear Microphone, Black (for noise levels up to 95dB) - requires Interface Module - Intrinsically Safe (FM)	$198.00
X	BDN6678	Ear Microphone, Beige (for noise levels up to 95dB) - requires Interface Module - Intrinsically Safe (FM)	$198.00
X	BDN6708	Ear Microphone Interface Module, PTT Operation Only - Intrinsically Safe (FM)	$284.00
X	BDN6780	Earbud with Clip Microphone and PTT Combined, Transmit & Receive (2-wire)	$67.00
X	BDN6781	Earbud, Receive Only (single wire)	$27.00
	Headsets:		
X	BDN6645	Heavy Duty Noise Cancelling Boom Microphone Headset with PTT on Earcup - (requires separate adapter cable) - Noise Reduction Rating = 24dB	$439.00
X	BDN6673	Headset Adapter Cable - Intrinsically Safe (FM)	$230.00
X	NMN6258	Medium Weight Headset, Over-the-Head, with In-Line PTT - Noise Reduction Rating = 24dB - Intrinsically Safe (FM)	$389.00
X	NMN6259	Medium Duty Headset, Behind-the-Head, with In-Line PTT - Noise Reduction Rating = 24dB - Intrinsically Safe (FM)	$425.00
X	RMN4049	Temple Transducer - Receive audio without covering the ear, behind-the-head style headset allows user to receive audio through the temples. Headset features a noise cancelling boom microphone and In-Line PTT - Intrinsically Safe (FM)	$225.00
X	RMN5049	Rugged Temple Transducer Headset - features a noise cancelling boom microphone and In-Line PTT	$340.00

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MT™ 1500 PORTABLE ACCESSORIES

MT™ 1500	MODEL NUMBER	DESCRIPTION	MSRP
	Microphones:		
X	0104026J83	Replacement Cable for Remote Speaker Microphone (PMMN4045)	$52.00
X	0104028J67	Replacement Cable for Remote Speaker Microphone (PMMN4051)	$52.00
X	PMMN4038	Remote Speaker Microphone with IP57 Rating, Coiled Cord & Swivel Clothing Clip - Intrinsically Safe (FM)	$88.50
X	PMMN4045	Noise Cancelling Remote Speaker Microphone with 3.5mm earjack at head of microphone with Coiled Cord & Swivel Clothing Clip - Intrinsically Safe (FM)	$97.00
X	PMMN4051	Remote Speaker Microphone with 3.5mm earjack at head of microphone with Coiled Cord & Swivel Clothing Clip - Intrinsically Safe (FM)	$89.00
X	RMN5072	UHF / 700 / 800 Public Safety Speaker Microphone with 3.5 mm audio jack, volume switch, and 30" straight cord (not compatible with VHF & antenna not included) - Intrinsically Safe (FM)	$160.00
X	RMN5073	UHF / 700 / 800 Public Safety Speaker Microphone with 3.5 mm audio jack, volume switch, and 24" straight cord (not compatible with VHF & antenna not included) - Intrinsically Safe (FM)	$160.00
X	RMN5074	UHF / 700 / 800 Public Safety Speaker Microphone with 3.5 mm audio jack, volume switch, and 18" straight cord (not compatible with VHF & antenna not included) - Intrinsically Safe (FM)	$160.00
	Service Equipment: *Pricing for service parts can be found on MOL or by contacting Customer Service*		
X	8180384M37	Housing Eliminator	Call for pricing
X	AA0180305G54	Battery Eliminator Cable (requires RLN4510 - 7.5 V)	Call for pricing
X	RKN4105	USB Programming Cable - uses RVN4181 CPS - No RIB Box required.	Call for pricing
X	RKN4106	RS232 Programming Cable - uses RVN4181 CPS - No RIB Box required.	Call for pricing
X	RVN4181	Portable & Mobile Programming Software (CPS) - 3 Year Subscription Package Programs - PR1500 / MT1500 / XTS1500 / XTS2500 / XTS5000 / SSE5000. Compatible with Windows® 95/98/2000 (SP3 or later version) / Millennium (ME) / Windows NT®, and Windows XP®. Uses Ribless programming cables RKN4105 (USB) or RKN4106 (RS232) and must be purchased separately if required. ***Note: Software requires a license agreement and is not intended for resale.***	Call for pricing
	Surveillance Accessories:		
X	BDN6664	Receive-Only Surveillance Kit, Beige (single wire)	$40.00
X	BDN6665	Receive-Only Surveillance Kit with Extra Loud Earphone, Beige (single wire, exceeds OSHA limits)	$42.00
X	BDN6666	Receive-Only Surveillance Kit with Volume Control, Beige (single wire)	$53.00
X	BDN6667	2-Wire Surveillance Kit with Microphone and PTT Combined, Beige	$114.00
X	BDN6668	3-Wire Surveillance Kit with Microphone and PTT Separate, Beige	$150.00
X	BDN6669	2-Wire Surveillance Kit with Microphone and PTT Combined with Extra Loud Earphone, Beige (exceeds OSHA limits)	$118.00
X	BDN6670	3-Wire Surveillance Kit with Microphone and PTT Separate with Extra Loud Earphone, Beige (exceeds OSHA limits)	$135.00
X	BDN6726	Receive-Only Surveillance Kit, Black (single wire)	$40.00
X	BDN6728	Receive-Only Surveillance Kit with Volume Control, Black (single wire)	$53.00
X	BDN6729	2-Wire Surveillance Kit with Microphone and PTT Combined, Black	$114.00
X	BDN6730	3-Wire Surveillance Kit with Microphone and PTT Separate, Black	$150.00
X	BDN6731	2-Wire Surveillance Kit with Microphone and PTT Combined with Extra Loud Earphone, Black (exceeds OSHA limits)	$118.00
X	BDN6732	3-Wire Surveillance Kit with Microphone & PTT Separate with Extra Loud Earphone, Black (exceeds OSHA limits)	$135.00
	User Manuals:		
X	9985899D01	MT 1500 Basic Service Manual on CD	$10.50
X	9985900D01	MT 1500 Basic Service and Theory Manual on CD	$31.80

Portables - Page 1

Date 1/1/14

SUGGESTED RETAIL

PR400™

VHF & UHF PORTABLES

12.5 kHz

All PR400 portable models include:

- Standard Battery (Slim Li-ion, 1600 mAh, 7.2V Battery - NNTN4970)
- Standard Charger (120 Volt - 90 Minute Rapid Rate Charger - WPLN4138_R)
- Standard Antenna (VHF Heliflex - NAD6502_R / UHF Whip - NAE6483_R)
- 3" Belt Clip (HLN8255)
- 2 Year Warranty

Main Radio Features:

Max # of Channels	16, 32, or 64
Display	32Ch - Limited
Keypad	32Ch - Limited
Menu Navigation Buttons	32 & 64Ch - YES
Side Programmable Buttons	2
Front Programmable Buttons	32 & 64Ch - 2
Top Channel Knob Positions	32 & 64Ch - Continuous
Top Programmable (Orange) Button	N/A
Ingress Protection Rating	IP54

Enhanced Radio Features:

Escalert Call Features	N/A
Intrinsically Safe Option	✓
MSHA Option	N/A
Option Board Expandability	✓
MDC1200 Signalling	✓
Quik Call II Signalling	Encode/Decode (Conv)
X-Pand™ Technology	✓

Systems Supported:

Analog Conventional	✓
Digital Conventional	N/A
LTR/PassPort	LTR Only
SmartNet / SmartZone	N/A
Privacy Plus	N/A

The following frequencies are not allowed:

151.19375	403.49375	436.800	443.95625	488.32625
151.200	403.200	436.80625	443.9625	488.3325
151.20625	403.20625	443.93125	443.96875	488.33875
167.99375	419.99375	443.9375	470.39375	488.345
168.000	420.000	443.94375	470.400	488.35125
168.00625	436.79375	443.950	470.40625	488.3575
420.006250 (420 MHz +/- 6.25 kHz)			488.36375 (488.345 MHz +/- 18.75 kHz)	

BAND SPLIT	BAND	PWR	CHAN	CATALOG NUMBER	MSRP
146-174 MHz	VHF	1-5W	16	AAH65KDC9AA2_N	$552.00
146-174 MHz	VHF	1-5W	32	AAH65KDF9AA3_N (Display-Limited Keypad)	$483.00
146-174 MHz	VHF	1-5W	64	AAH65KDH9AA4_N (Display-Full Keypad)	$533.00
438-470 MHz	UHF	1-4W	16	AAH65RDC9AA2_N	$586.00
438-470 MHz	UHF	1-4W	32	AAH65RDF9AA3_N (Display-Limited Keypad)	$517.00
438-470 MHz	UHF	1-4W	64	AAH65RDH9AA4_N (Display-Full Keypad)	$567.00

FCC INFORMATION: ABZ99FT3045 (VHF 146-174 MHz) / ABZ99FT4056 (UHF 438-470 MHz) /

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Portables - Page 2

Date 1/1/14

SUGGESTED RETAIL

PR400™

VHF & UHF PORTABLES OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP
Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE FOR STEP 1		

STEP 1:

Radio Configuration Options:

STDPKG0018	Slim Li-ion, 1600 mAh, 7.2V Battery (NNTN4970) and 90 Minute Rapid Rate Charger (WPLN4138_R)	N/C
QA00844	Li-ion, 2250 mAh, 7.5V Battery (NNTN4497_R) and 90 Minute Rapid Rate Charger with Switch Mode Power Supply (WPLN4138_R)	$10.00
QA00745	NiMH, 1400 mAh, 7.5V Battery (NNTN4851) and 90 Minute Rapid Rate Charger with Switch Mode Power Supply (WPLN4138_R)	N/C
QA00746	NiMH, 1300 mAh, 7.5V Battery - Intrinsically Safe (FM) (NNTN4852) and 90 Minute Rapid Rate Charger with Switch Mode Power Supply (WPLN4138_R)	$50.00

Omit Charger Options:

Q648	Slim Li-ion, 1600 mAh, 7.2V Battery (NNTN4970) and No Charger	-$10.00
Q653	Li-ion, 2250 mAh, 7.5V Battery (NNTN4497_R) and No Charger	-$5.00
Q878	NiMH, 1400 mAh, 7.5V Battery (NNTN4851) and No Charger	-$20.00
Q869	NiMH, 1300 mAh, 7.5V Battery - Intrinsically Safe (FM) (NNTN4852) and No Charger	$35.00

MODEL NUMBER	DESCRIPTION	MSRP
General Options:		
QA00531	Remote Speaker Microphone with Ear Jack, Coiled Cord and Swivel Clothing Clip - Intrinsically Safe (FM) (PMMN4013)	$73.50
QA00532	Remote Speaker Microphone with IP57 Rating, Coiled Cord and Swivel Clothing Clip - Intrinsically Safe (FM) (PMMN4029)	$75.00
QA00098	Earbud w/Clip Microphone and PTT, Transmit & Receive (2-wire. Not recommended for use w/PL codes above 225Hz -HMN9036)	$40.00
QA00099	Ultra-Light Headset, Behind-the-Head with In-Line PTT and Boom Microphone (RLN5411)	$60.00
QA00194	VHF 146-162 MHz, 3" Stubby Antenna (HAD9742)	$9.75
QA00189	VHF 162-174 MHz, 3" Stubby Antenna (HAD9743)	$9.75
QA00190	UHF 438-470 MHz, 3" Stubby Antenna (NAE6522_R)	$11.25
QA01424	PR400 / PM400 User Guide CD	N/C
Q884	1 Year Service from the Start -LITE - Provides 1 year of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$34.00
H885	2 Year Service from the Start -LITE - Provides 2 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$65.00
H886	3 Service from the Start -LITE - Provides 3 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$97.00

Portables - Page 3
Date 4/7/14
SUGGESTED RETAIL

HT1250·LS+™
VHF & UHF PORTABLES
12.5 kHz

All HT1250·LS+ portable models include:
- Standard Battery (NiMH, 1500 mAh, 7.5V - HNN9008_R)
- Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)
- Standard Antenna (VHF NAD6502_R / UHF NAE6483_R)
- 2.5" Belt Clip (HLN9714)
- 14 Character Alphanumeric Display
- 7 Programmable Buttons
- Two Year Warranty

Limited Keypad

Full Keypad

Main Radio Features:

Max # of Channels	32
Display	✓
Keypad	Limited or Full
Menu Navigation Buttons	✓
Side Programmable Buttons	3
Front Programmable Buttons	3
Top Channel Knob Positions	Continuous
Top Programmable (Orange) Button	✓
Ingress Protection Rating	IP54

Enhanced Radio Features:

Escalert Call Features	✓
Intrinsically Safe Option	✓
MSHA Option	N/A
Option Board Expandability	✓
MDC1200 Signalling	✓
Quik Call II Signalling	Encode/Decode (Conv)
X-Pand™ Technology	✓

Systems Supported:

Analog Conventional	✓
Digital Conventional	N/A
LTR/PassPort	✓
SmartNet / SmartZone	N/A
Privacy Plus	N/A

The following frequencies are not allowed:

151.200	419.195	436.805	459.905	494.955	511.755
168.000	420.000	453.695	468.300	498.830	
403.195	420.005	453.600	469.105	502.710	
403.200	436.795	453.605	470.400	504.000	
403.205	436.800	457.805	483.320	507.875	

BAND SPLIT	BAND	PWR	CONV CHAN	TRUNK ZONES/ TALKGROUPS	CATALOG MODEL	MSRP
136-174 MHz	VHF	1W to 5W (ships 5W)	32	15/16	AAH25KDF9DP7_N (Ltd Keypad)	1,041.67
136-174 MHz	VHF	1W to 5W (ships 5W)	32	15/16	AAH25KDH9DP9_N (Full Keypad)	1,133.33
403-470 MHz	UHF	1W to 4W (ships 4W)	32	15/16	AAH25RDH9DP7_N (Ltd Keypad)	1,066.67
403-470 MHz	UHF	1W to 4W (ships 4W)	32	15/16	AAH25RDH9DP9_N (Full Keypad)	1,158.33
450-512 MHz	UHF	1W to 4W (ships 4W)	32	15/16	AAH25SDH9DP7_N (Ltd Keypad)	1,066.67
450-512 MHz	UHF	1W to 4W (ships 4W)	32	15/16	AAH25SDH9DP9_N (Full Keypad)	1,158.33

FCC INFORMATION AZ489FT3794 (136-174 MHz) / AZ489FT4826 (403-470 MHz) / AZ489FT4834 (450-512 MHz)

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Portables - Page 4
Date 1/1/14
SUGGESTED RETAIL

HT1250·LS+™
VHF & UHF PORTABLES
OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP
INTRINSICALLY SAFE (FM): Q390 (HNN9010_R) is rated Intrinsically Safe for use in Division 1, Classes I, II, III, Groups C, D, E, F and G.		
Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP		
	STEP 1:	
Battery Choices:		
STDBAT0008	Standard Battery (NiMH, 1500 mAh, 7.5V - HNN9008_R)	N/C
Q390	NiMH, 1800 mAh, 7.5V Battery - Intrinsically Safe (FM) (HNN9010_R)	$62.00
Q508	NiMH, 1900 mAh, 7.5V Battery (HNN9009_R)	$13.00
H229	Li-ion, 1500 mAh, 7.5V Battery (HNN9013_R)	$40.00
- IMPRES™ Batteries:		
QA00051	IMPRES™, NiMH, 1700 mAh, 7.5V Battery - Intrinsically Safe (FM) (HNN4002)	$70.00
QA00059	IMPRES™, NiMH, 1800 mAh, 7.5V Battery (HNN4001)	$22.00
QA00060	IMPRES™, Li-ion, 2000 mAh, 7.5V Battery (HNN4003)	$48.00
	STEP 2:	
Charger Choices:		
STDCHG0008	Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)	N/C
H951	Omit 120 Volt Rapid Rate Charger	-$20.00
QA00741	Single-Unit Charger with CEC Compliant Switch Mode Power Supply (PMLN5197)	$8.00
- IMPRES™ Chargers:		
QA00061	IMPRES™ Single Unit Charger (WPLN4182)	$35.00
QA00742	IMPRES™ Single-Unit Charger with CEC Compliant Switch Mode Power Supply (PMLN5198)	$40.00
	STEP 3:	
Carry Holder Choices:		
STDBLT0008	Standard Belt Clip (HLN9714)	N/C
H301	Omit Standard Belt Clip	-$5.00
	STEP 4:	
Antenna Choices:		
STDANT0008	Standard Antenna (VHF: NAD6502_R / UHF: NAE6483_R)	N/C
Q46	VHF 148-161 MHz ONLY Whip Antenna (Enhanced Performance, 7.5" - NAD6579)	N/C
QA00062	UHF 430-470 MHz Stubby Antenna (PMAE4003)	-$2.00
H112	Omit Standard Antenna	-$3.50
		$0.00
	STEP 5:	
Shipping Box Choices:		
STDBOX0008	Standard Model Box	N/C
H415	Bulk Packaging (minimum 10 units per line item)	N/C

General Options:		MSRP
QA00533	Remote Speaker Microphone with Ear Jack, Coiled Cord and Swivel Clothing Clip - Intrinsically Safe (FM) (PMMN4021)	$66.25
QA00534	Remote Speaker Microphone with IP57 Rating, Coiled Cord and Swivel Clothing Clip - Intrinsically Safe (FM) (PMMN4027)	$69.00
QA00100	Noise Cancelling Remote Speaker Microphone with Coiled Cord, Swivel Clothing Clip and 3.5mm Audio Jack - Intrinsically Safe (FM) (PMMN4039)	$75.00
QA00101	2-Wire Comfort Earpiece with Combined Microphone and PTT, Black. Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise Enhancement (RLN6232) already attached for extra comfort and convenience (RLN5315).	$108.00
QA00102	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone and In-Line PTT - Intrinsically Safe (FM) (AARMN4018)	$100.00
QA00103	Travel Charger (includes voltage regulated lighter adapter, custom charger base, coil cord and mounting bracket - RLN4883)	$89.25
QA01227	HT1250 LS+ User Guide (HKLN4015)	N/C
QA00795	PassPort 4.0 Enhanced Feature Set: Emergency, Priority Access,and Channel Backup Capability. *Note: 4.0 Enhanced System Infrastructure and Options must be purchased as well to allow for this feature set.*	$168.00
Q884	1 Year Service from the Start -LITE - Provides 1 year of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$38.00
H885	2 Year Service from the Start -LITE - Provides 2 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$73.00
H886	3 Year Service from the Start -LITE - Provides 3 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$108.00

Portables - Page 5
Date 5/7/14
SUGGESTED RETAIL

EX560·XLS™
VHF & UHF PORTABLES
12.5 kHz

All EX560·XLS portable models include:
- Standard Battery (Li-ion, 1400 mAh, 7.5V - PMNN4073_A)
- Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)
- Standard Antenna (VHF option must be ordered / UHF Band 1 PMAE4022_A, UHF Band 2 PMAE4025_A)
- Carry Holster (JMZN4023)
- Three Year Warranty

Main Radio Features:

Max # of Channels	160
Display	✓
Keypad	Limited
Menu Navigation Buttons	✓
Side Programmable Buttons	2
Front Programmable Buttons	3
Top Channel Knob Positions	Continuous
Top Programmable (Orange) Button	✓
Ingress Protection Rating	IP67

Enhanced Radio Features:

Escalert Call Features	N/A
Intrinsically Safe Option	✓
MSHA Option	N/A
Option Board Expandability	N/A
MDC1200 Signalling	✓
Quik Call II Signalling	Encode/Decode (Conv)
X-Pand™ Technology	✓

Systems Supported:

Analog Conventional	✓
Digital Conventional	N/A
LTR/PassPort	LTR Only
SmartNet / SmartZone	N/A
Privacy Plus	N/A

The following frequencies are not allowed:

151.200	403.200	420.000	436.805	470.405
151.205	403.205	422.580	453.595	487.195
167.995	407.075	432.925	453.600	487.200
168.000	412.250	436.795	453.605	487.205
168.005	414.835	436.800	470.395	504.000

BAND SPLIT	BAND	PWR	CONV CHAN	TRUNK ZONES/ TALKGROUPS	CATALOG MODEL	MSRP
403-470 MHz	UHF	1W to 4W (ships 4W)	160	15/16	AAH38RDF9DU6_N	$948.33

FCC INFORMATION AZ489FT3801 (136-174 MHz) / AZ489FT4844 (403-470 MHz) / AZ489FT4845 (450-527 MHz)

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Portables - Page 6
Date 1/1/14
SUGGESTED RETAIL

EX560·XLS™
VHF & UHF PORTABLES
OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP
INTRINSICALLY SAFE (FM): STDBAT0004 (PMNN4073_R) is rated Intrinsically Safe for use in Division 1, Classes I, II, III, Groups C, D, E, F and G.		
Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP		
	STEP 1:	
Battery Choices:		
STDBAT0004	Standard Battery, IP67 Li-ion 1400mAh, 7.5V - Intrinsically Safe (FM) (PMNN4073_R) **Note: Only IP67 designated batteries will qualify radio as IP67. Other non-IP67 batteries can be selected, but only as a non-IP67 solution.**	N/C
QA00669	IP67 Li-ion 1300 mAh, 7.5V (PMNN4074)	-$10.00
H224	Li-ion, 1300 mAh, 7.5V (JMNN4024_R)	-$15.00
H229	Li-ion, 1000 mAh, 7.5V Slim Battery (JMNN4023_R)	-$25.00
	STEP 2:	
Charger Choices:		
STDCHG0004	Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)	N/C
H951	Omit 120 Volt Rapid Rate Charger **Note: Part Number PMLN5010 should be ordered in conjunction with Multi-Unit Charger WPLN4187 for proper fit.*	-$20.00
QA00741	Single-Unit Charger with CEC Compliant Switch Mode Power Supply (PMLN5197)	$8.00
	STEP 3:	
Carry Holder Choices:		
STDBLT0004	Standard Carry Holster (JMZN4023)	N/C
H317	Omit Standard Carry Holster	-$3.50
	STEP 4:	
Antenna Choices: Note - The VHF model does not have a standard antenna option		
STDANT0004	Standard UHF Antenna (UHF Band 1 - PMAE4022; UHF Band 2 - PMAE4025)	N/C
H128	VHF 136-151 MHz Helical Antenna (NAD6566)	N/C
H129	VHF 151-162 MHz Helical Antenna (NAD6567)	N/C
H65	VHF 162-174 MHz Helical Antenna (NAD6568)	N/C
QA00517	UHF1 GPS Stubby Antenna 430-470 MHz (PMAE4023)	N/C
QA00750	UHF1 Stubby Antenna 403-430 MHz	N/C
H112	Omit Standard VHF & UHF Antenna	-$3.50
	STEP 5:	
Shipping Box Choices:		
STDBOX0004	Standard Model Box	N/C
H415	Bulk Packaging (minimum 20 units per line item)	N/C
General Options:		**MSRP**
QA00535	Remote Speaker Microphone with Ear Jack, Coiled Cord and Swivel Clothing Clip - Intrinsically Safe (FM) (PMMN4022)	$85.00
QA00536	Remote Speaker Microphone with IP57 Rating, Coiled Cord and Swivel Clothing Clip - Intrinsically Safe (FM) (PMMN4023)	$89.00
QA01227	EX560XLS User Guide (6880309T53)	N/C
Q884	1 Year Service from the Start -LITE - Provides 1 year of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$38.00
H885	2 Year Service from the Start -LITE - Provides 2 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$73.00
H886	3 Year Service from the Start -LITE - Provides 3 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$108.00

Portables - Page 7
Date 5/7/14
SUGGESTED RETAIL

EX600·XLS™
VHF & UHF PORTABLES
12.5 kHz

All EX600·XLS portable models include:
- Standard Battery (Li-ion, 1300 mAh, 7.5V - JMNN4024_R)
- Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)
- Standard Antenna (VHF option must be ordered / UHF NAE6483_R)
- Carry Holster (JMZN4023)
- Three Year Warranty

Main Radio Features:

Max # of Channels	160
Display	✓
Keypad	✓
Menu Navigation Buttons	✓
Side Programmable Buttons	2
Front Programmable Buttons	3
Top Channel Knob Positions	Continuous
Top Programmable (Orange) Button	✓
Ingress Protection Rating	IP54

Enhanced Radio Features:

Escalert Call Features	N/A
Intrinsically Safe Option	✓
MSHA Option	N/A
Option Board Expandability	N/A
MDC1200 Signalling	✓
Quik Call II Signalling	Encode/Decode (Conv)
X-Pand™ Technology	✓

Systems Supported:

Analog Conventional	✓
Digital Conventional	N/A
LTR/PassPort	LTR Only
SmartNet / SmartZone	N/A
Privacy Plus	N/A

The following frequencies are not allowed:

151.200	403.200	420.000	436.805	470.405
151.205	403.205	422.580	453.595	487.195
167.995	407.075	432.925	453.600	487.200
168.000	412.250	436.795	453.605	487.205
168.005	414.835	436.800	470.395	504.000

BAND SPLIT	BAND	PWR	CONV CHAN	TRUNK ZONES/ TALKGROUPS	CATALOG MODEL	MSRP
403-470 MHz	UHF	1W to 4W (ships 4W)	160	15/16	AAH38RDH9DU6_N	$1,141.67

FCC INFORMATION AZ489FT3801 (136-174 MHz) / AZ489FT4844 (403-470 MHz) / AZ489FT4845 (450-512 MHz)

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Portables - Page 8
Date 1/1/14
SUGGESTED RETAIL

EX600·XLS™
VHF & UHF PORTABLES
OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP

INTRINSICALLY SAFE (FM): STDBAT0004 (PMNN4073_R) is rated Intrinsically Safe for use in Division 1, Classes I, II, III, Groups C, D, E, F and G.

Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

STEP 1:

Battery Choices:

STDBAT0004	Standard Battery (Li-ion, 1300 mAh, 7.5V - JMNN4024_R)	N/C
H229	Li-ion, 1000 mAh, 7.5V Slim Battery (JMNN4023_R)	-$25.00
QA00668	Li-ion, 1400 mAh, 7.5V - Intrinsically Safe (FM) (IP67) (PMNN4073_A) * PMNN4073_A only IP67 rated with EX560XLS*	$15.00

STEP 2:

Charger Choices:

STDCHG0004	Standard Charger (120V Single Unit Rapid Rate Charger - AAHTN3000)	N/C
H951	Omit 120 Volt Rapid Rate Charger	-$20.00
QA00741	Single-Unit Charger with CEC Compliant Switch Mode Power Supply (PMLN5197)	$8.00

STEP 3:

Carry Holder Choices:

STDBLT0004	Standard Carry Holster (JMZN4023)	N/C
H317	Omit Standard Carry Holster	-$3.50

STEP 4:

Antenna Choices: **Note - The VHF model does not have a standard antenna option**

STDANT0004	Standard UHF Antenna (NAE6483_R)	N/C
Q634	VHF 146-174 MHz Broadband Antenna (NAD6502_R)	N/C
H128	VHF 136-151 MHz Helical Antenna (PMAD4014)	N/C
Q46	VHF 148-161 MHz ONLY Whip Antenna (Enhanced Perf., 7.5" - NAD6579)	N/C
H65	VHF 162-174 MHz Helical Antenna (PMAD4023)	N/C
H129	VHF 151-162 MHz Helical Antenna (PMAD4015)	N/C
QA00062	UHF 430-470 MHz Stubby Antenna (PMAE4003)	-$2.00
H112	Omit Standard VHF & UHF Antenna	-$3.50

STEP 5:

Shipping Box Choices:

STDBOX0004	Standard Model Box	N/C
H415	Bulk Packaging (minimum 20 units per line item)	N/C

General Options:		MSRP
QA00535	Remote Speaker Microphone with Ear Jack, Coiled Cord and Swivel Clothing Clip - Intrinsically Safe (FM) (PMMN4022)	$85.00
QA00536	Remote Speaker Microphone with IP57 Rating, Coiled Cord and Swivel Clothing Clip - Intrinsically Safe (FM) (PMMN4023)	$89.00
QA01227	EX600 User Guide (HKLN4186)	N/C
Q884	1 Year Service from the Start -LITE - Provides 1 year of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$38.00
H885	2 Year Service from the Start -LITE - Provides 2 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$73.00
H886	3 Year Service from the Start -LITE - Provides 3 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$108.00

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SUGGESTED RETAIL

PROFESSIONAL TRUNKING
PORTABLE ACCESSORIES

PR400	HT1250-LS+	EX600-XLS	EX560-XLS	MODEL NUMBER	DESCRIPTION	MSRP
INTRINSICALLY SAFE (FM): JMNN4025_R (H236), PMNN4019_R (H236), HNN9010_R (Q390), and HNN9011_R (H236) are rated Intrinsically Safe for use in Division 1, Classes I, II, III, Groups C, D, E, F and G.						
				Antennas:		
	X	X		8504762J01	VHF Whip Antenna, 136-155 MHz (Red Color Code)	$13.50
	X	X		8504762J02	VHF Whip Antenna, 155-174 MHz (Black Color Code)	$13.50
			X	8505644V01	VHF Helical Antenna, 136-151 MHz, 6"	$16.50
			X	8505644V02	VHF Helical Antenna, 151-162 MHz, 6"	$16.50
			X	8505644V03	VHF Helical Antenna, 162-174 MHz, 6"	$16.50
X				8505816K26	UHF Heliflex Stubby Antenna, Black, Molded, 470-512 MHz	$12.25
X				HAD9742	VHF Stubby Antenna, 146-162 MHz	$10.75
X				HAD9743	VHF Stubby Antenna, 162-174 MHz	$10.75
	X			HKAD4000	200 MHz Helical Antenna, 216-225 MHz	$13.50
X	X	X		NAD6502_R	VHF Heliflex Antenna, 146-174 MHz	$11.75
	X	X		NAD6579	VHF Whip Antenna, 148-161 MHz (Enhanced Performance, 7.5")	$13.50
X				NAE6522_R	UHF Heliflex Stubby Antenna, 438-470 MHz	$12.25
	X			NAF5083	700 MHz 1/2 Wave Whip Antenna, 746-794 MHz	$35.75
	X	X		PMAD4012	VHF Stubby Antenna, 136-155 MHz (Red Color Code)	$13.25
	X	X		PMAD4013	VHF Stubby Antenna, 155-174 MHz (Black Color Code)	$13.25
	X	X		PMAD4023	VHF Whip Antenna, 150-161 MHz (Brown Color Code)	$13.50
	X	X		PMAD4025	VHF Stubby Antenna, 150-161 MHz (Brown Color Code)	$13.25
	X	X		PMAE4002	UHF Stubby Antenna, 403-430 MHz (Green Color Code)	$11.25
	X	X		PMAE4003	UHF Stubby Antenna, 430-470 MHz (Natural Color Code)	$11.25
	X	X		PMAE4006	UHF Stubby Antenna, 465-490 MHz (Orange Color Code)	$14.75
			X	PMAE4022	UHF1 403 - 470 MHz (IP67)	$10.25
			X	PMAE4025	UHF2 450 - 527 MHz (IP67)	$12.00
X	X	X		PMAE4016	UHF Whip Antenna, 403-520 MHz	$11.75
				Batteries:		
	X			HNN9008_R	NiMH, 1500 mAh, 7.5V Battery (Resale Packaging available through RPSD)	$64.00
	X			HNN9009_R	NiMH, 1900 mAh, 7.5V Battery	$75.00
	X			HNN9010_R	NiMH, 1800 mAh, 7.5V Battery - Intrinsically Safe (FM)	$115.00
	X			HNN9011_R	NiCd, 1200 mAh, 7.5V Battery - Intrinsically Safe (FM)	$111.00
	X			HNN9012_R	NiCd, 1300 mAh, 7.5V Battery (Resale Packaging available through RPSD)	$65.00
	X			HNN9013_R	Li-ion, 1500 mAh, 7.5V Battery (Resale Packaging available through RPSD)	$100.00
		X	X	JMNN4023_R	Slim Li-ion, 1000 mAh, 7.5V Battery	$89.00
		X	X	JMNN4024_R	Li-ion, 1300 mAh, 7.5V Battery	$108.00
		X	X	JMNN4025_R	NiMH, 700 mAh, 7.5V Battery - (5 Hour Avg Battery Life with 5/5/90 Duty Cycle) - Intrinsically Safe (FM)	$95.00
X				NNTN4497_R	Li-ion, 2250 mAh, 7.5V Battery (only comp. with WPLN4138_R & WPLN4161_R)	$85.00
X				NNTN4851	NiMH, 1400 mAh, 7.5V Battery (comp. with WPLN4138_R & WPLN4161_R)	$63.00
X				NNTN4852	NiMH, 1300 mAh, 7.5V Battery - Intrinsically Safe (FM) (only comp. with WPLN4138_R & WPLN4161_R)	$110.00
X				NNTN4970	Slim Li-ion, 1600 mAh, 7.2V Battery (comp. with WPLN4138_R & WPLN4161_R)	$105.00
	X			NNTN5332	Disposable Clamshell Battery (requires (12) Alkaline Batteries. (Batteries and Belt Clip NTN8266 Sold Separately)	$80.00
X	X			PMNN4072	NIMH MAGONE BATTERY (1300 mAh)	$35.00
		X	X	PMNN4073_R	Li-ion, 1400 mAh, IP67 Battery - Intrinsically Safe (FM)	$128.00
		X	X	PMNN4074_R	Li-ion, 1400 mAh, IP67 Battery	$113.00
				IMPRES™: *The IMPRES smart energy system ensures maximum talk-time and optimized battery cycle life through the use of its advanced charging technology and automatic reconditioning features, when used with IMPRES batteries.*		
	X			HNN4001	IMPRES™, NiMH, 1800 mAh, 7.5V Battery	$82.00
	X			HNN4002	IMPRES™, NiMH, 1700 mAh, 7.5V Battery - Intrinsically Safe (FM)	$125.00
	X			HNN4003	IMPRES™, Li-ion, 2000 mAh, 7.5V Battery	$108.00
				Battery Maintenance Systems (BMS):		
	X	X		NDN4005	Battery Optimizing System II (BOS II) - 90-240 Volt AC, 50/60 Hz, 4 Station Reconditioner. Provides powerful analyzing and reconditioning features. Includes 12 resident programs, a QuickTest™ diagnostic battery state of health program, programmable adapter plates, and much more. Supports NiCd, NiMH, Li-ion and SLA batteries.Battery Maintenance System (BMS) - 110 Volt AC, 50/60 Hz - Three Station Reconditioner. Supports NiCd and NiMH batteries (adapters sold separately).	$499.00
	X	X		WPLN4079_R	Battery Maintenance System Plus (BMS+) - 110 Volt AC, 50/60 Hz - Six Station Reconditioner. Using interchangeable adapter plates (sold separately), the BMS+ is capable of charging and discharging, analyzing, conditioning, cycle testing, and more. Supports NiCd, NiMH and Li-ion battery chemistries.	$650.00

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SUGGESTED RETAIL

PROFESSIONAL TRUNKING
PORTABLE ACCESSORIES

PR400	HT1250-LS+	EX600-XLS	EX560-XLS	MODEL NUMBER	DESCRIPTION	MSRP
				Batteries (continued):		
	X			WPPN4079_R	BMS Battery Adapter (for use with NiCd & NiMH batteries)	$80.00
	X			WPPN4080_R	BMS Battery Adapter (for use with NiCd, NiMH & Li-ion batteries)	$120.00
		X		WPPN4096_R	BMS Battery Adapter (for use with NiCd, NiMH & Li-ion batteries)	$120.00
				Call Boxes:		
Allows for integration into most existing radio systems and provides direct access to personnel connected to the system. Allows for expansion of security coverage and can help improve response time without the need for additional personnel. Includes a voice instruction message for the user, automatic call box ID and user location identifiers, a courtesy light, easy push-to-talk operation, a silent tamper alert broadcast to security, low battery alert, 40-day standby battery capacity, one 12-volt, 12 amp/hour rechargeable battery, call box keys and tamper resistant screw bits. Pricing does not include radio or installation. Remote speaker microphone cable and BNC antenna adaptor for the particular radio model must be supplied by the reseller.						
				A1 Call Boxes - Field programmable. Mounts on a wall, or on a PVC or aluminum stanchion. Solar or AC/DC power. The .090 thick aluminum enclosure with white powder coat measures 13"H x 9.5"W x 6.5"D. Provides protection against dust and falling rain. For indoor and outdoor use. Includes antenna and set of small reflective decals.	
X	X	X	X	RRDN4362	Solar Wall or Pole Mounting	$2,565.00
X	X	X	X	RRDN4363	AC/DC Wall or Pole Mounting	$2,465.00
X	X	X	X	RRDN4365	Solar with Aluminium Stanchion (A1010) w/o Base Pedestal	$3,395.00
X	X	X	X	RRDN4366	AC/DC with Aluminium Stanchion (A1010) w/o Base Pedestal	$3,295.00
X	X	X	X	RRDN4444	A1A1010 Base Pedestal	$450.00
				A106.5 Call Boxes - Freestanding. Solar or AC/DC power. The .090 thick, white powder-coated aluminum box measures 6.5' H x 10" W x 5" D. Includes antenna and choice of reflective vinyl message decal.		
X	X	X	X	RRDN4588	Solar Powered w/o Base Pedestal	$2,795.00
X	X	X	X	RRDN4589	AC/DC w/o Base Pedestal	$2,695.00
X	X	X	X	RRDN7776	A106.5 Base Pedestal	$450.00
				A1410 Call Boxes - Self-standing. The .090 thick aluminum stanchion with white powder coat measures 10'H x 14"W x 7.5"D. Thick, clear Lexan faceplate cover and includes an activation ringer, antenna and set of large reflective decals. 10 watt solar panel provides additional charging power to allow the beacon/locator light to function 24 hours a day.	
X	X	X	X	RRDN4369	Solar Powered	$3,400.00
X	X	X	X	RRDN4370	AC/DC w/o Base Pedestal	$3,300.00
X	X	X	X	RRDN4447	A1410 Base Pedestal	$450.00
X	X	X	X	RRDN7782	A1410 Solar w/o Base Pedestal, with Public Address System (PA)	$3,745.00
				A144 Call Boxes - Flexibility. Can be wall or pole mounted for convenient accessibility. The .090 thick, white, powder-coated aluminum enclosure measures 4' H x 14" W x 7.5" D. Includes a 6-watt locator LED that converts to a strobe light when callbox is activated. Comes standard with a 10-watt solar panel and choice of large reflective vinyl message decal.	
X	X	X	X	RRDN4590	Solar Wall or Pole Mounting	$3,275.00
X	X	X	X	RRDN4591	AC/DC Wall or Pole Mounting	$3,175.00
				A1510 Call Boxes		
X	X	X	X	RRDN7777	Solar w/o Base Pedestal	$3,445.00
X	X	X	X	RRDN7778	Solar w/o Base Pedestal, with Public Address System (PA)	$4,000.00
X	X	X	X	RRDN7779	AC/DC w/o Base Pedestal	$3,345.00
X	X	X	X	RRDN7780	AC/DC w/o Base Pedestal, with Public Address System (PA)	$3,910.00
X	X	X	X	RRDN7781	A1510 Base Pedestal	$348.00
				ACB Call Boxes - Push-to-talk communication. No door to open. The indoor/outdoor wall mount aluminum enclosure is .090 thick with white powder coat. It measures 20"H x 14"W x 7.5"D with a thick, clear Lexan face-plate cover. Includes activation ringer, antenna and set of small reflective decals.	
X	X	X	X	RRDN4367	Solar Wall or Pole Mounting	$2,775.00
X	X	X	X	RRDN4368	AC/DC Wall or Pole Mounting	$2,675.00
				Mass Notification System for Call Boxes:		
X	X	X	X	RRDN7783	Mass Notification System	$1,945.00
				Carry Cases:		
	X			4280384F89	Universal RadioPAK™ Extension Belt for waist larger than 40"	$5.00
X	X			HLN6602	Universal Chest Pack with Radio Holder, Pen Holder & Velcro Secured Pocket (HT750, HT1250, HT1250•LS+ & HT1550•XLS - not compatible with UHF models)	$38.00
	X			HLN7020	Carry case strap adapter to allow public safety microphone to fit properly when using a carry case	$7.25
X				HLN8255	3" Spring Action Belt Clip	$6.00
	X			HLN9677	Leather DTMF Case with Belt Loop (HT750 Keypad & all HT1250 & HT1250•LS+ models - for use with Li-ion Batteries)	$51.00
	X			HLN9689	Leather DTMF Case with Belt Loop (HT750 Keypad & all HT1250 & HT1250•LS+ models - for use with NiMH & NiCd Batteries)	$51.00
X	X			HLN9701	Nylon Case with Belt Loop (Resale Packaging available through RPSD)	$24.00
	X			HLN9714	2.5" Spring Action Belt Clip	$11.00

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SUGGESTED RETAIL

PROFESSIONAL TRUNKING
PORTABLE ACCESSORIES

PR400	HT1250·LS+	EX600·XLS	EX560·XLS	MODEL NUMBER	DESCRIPTION	MSRP
				Carry Cases (continued):		
	X			HLN9844	2" Spring Belt Clip	$11.50
	X	X		HLN9985	Waterproof Bag, includes large carrying strap.	$36.00
			X	JMZN4020	Radio Handstrap	$6.00
		X	X	JMZN4023	Plastic Holster with Swivel Belt Clip	$10.00
X	X	X		NTN5243	Shoulder Strap (for use with Cases with D-Rings)	$23.00
		X		PMLN4520	Hard Leather Case with Swivel Clip & D-Rings (EX600·XLS models only)	$38.00
		X		PMLN4521	Soft Leather Case with Fixed Swivel Clip & D-Rings (EX600·XLS models only)	$24.00
		X	X	PMLN5089	Nylon Keypad/Display case with belt loop for IP67 radios	$26.00
X				RLN4570	Break-Away Chest Pack	$54.25
	X			RLN4815	Universal RadioPAK™ & Utility Case (fanny pack)	$45.00
X				RLN5383	Leather Case with Belt Loop (for use with Non-Display models)	$39.00
X				RLN5384	Leather Case with 2.5" Swivel (for use with Non-Display models)	$45.00
X				RLN5385	Leather Case with 3" Swivel (for use with Non-Display models)	$45.00
X				RLN5496	Leather DTMF Case with 2.5" Swivel (for use with Full Display models)	$45.00
X				RLN5497	Leather DTMF Case with 3" Swivel (for use with Full Display models)	$45.00
X				RLN5498	Leather DTMF Case with Belt Loop (for use with Full Display models)	$39.00
X				RLN5640	Leather DTMF Case with Belt Loop (for use with Limited Display models)	$39.00
X				RLN5641	Leather DTMF Case with 2.5" Swivel (for use with Limited Display models)	$45.00
X				RLN5642	Leather DTMF Case with 3" Swivel (for use with Limited Display models)	$45.00
X				RLN5644	2" Spring Action Belt Clip	$6.00
X	X			TDN9327	Portable Radio Hanger - for door panels up to 2.75" (slides over and hangs from the door panel in vehicle). Radio Belt Clip is required foruse.	$28.50
X	X			TDN9373	Portable Radio Hanger - for door panels from 2.75" to 3.25" (slides over and hangs from the door panel in vehicle). Radio Belt Clip is required for use.	$18.00
				Chargers & Accessories:		
	X	X	X	AAHTN3000	120 Volt - Single Unit Rapid Rate Charger	$56.75
	X			HLN9793	Charger Insert Spacer - Compatible with "A" version chargers ONLY	$6.30
	X			HLN9794	Charger Insert Spacer - Compatible with "B", "C" & "D" version chargers ONLY	$6.30
	X	X		NLN7967	Wall Mount Kit for Multi-Unit Charger	$21.00
	X			NNTN7618	IMPRES Vehicular Charger (Hard Install)	$380.00
	X	X	X	PMLN5197	Single Unit Rapid Rate Charger with CEC Compliant Switch Mode Power Supply	$64.50
	X			RL-76345	Adapter Plate BOS I	$115.00
		X		RL-77255	Adapter Plate for use with BOS and BOS II	$115.00
	X			RLN4883	Travel Charger (includes voltage regulated lighter adapter, custom charger base, coil cord and mounting bracket)	$89.25
	X	X		WPLN4124_R	Battery Optimizing System II (BOS II) - 90-240 Volt AC, 50/60 Hz, 4 Station Reconditioner. Provides powerful analyzing and reconditioning features. Includes 12 resident programs, a QuickTest™ diagnostic battery state of health program, programmable adapter plates, and much more. Supports NiCd, NiMH, Li-ion and SLA batteries.	$2,611.00
X				WPLN4138_R	120 Volt - 90 Minute Rapid Rate Charger	$57.75
X				WPLN4155_R	120 Volt - 10 Hour Desktop Charger (for use with NNTN4496_R NiCd battery only)	$27.00
X				WPLN4161_R	120 Volt - 6 Unit Rapid Rate Charger	$450.00
				Conditioning Chargers:		
	X			3080384G15	Cigarette Lighter Adapter for Single & Multi Unit Motorola Conditioning Chargers	$7.00
		X		PMLN5193	120V - 90 Minute Rapid Rate Charger with Switch Mode Power Supply	$65.75
	X			RLN4814	Vehicular Mounting Bracket - includes hard wire cable with In-Line fuse for use with single unit Motorola Conditioning Chargers	$35.00
	X			WPPN4065_R	Motorola Conditioning Charger - Four-Station - 110 Volt, Base only, requires adapter plates (sold separately)	$399.00
	X			WPPN4082_R	Adapter Plate Only (for use with Motorola Conditioning Chargers)	$15.00
	X			WPLN4107_R	Motorola Conditioning Charger - Single Unit - includes charger base, removable adapter plate and transformer, 1-2 hour rapid charge.	$70.00
				IMPRES™: *The IMPRES smart energy system ensures maximum talk-time and optimized battery cycle life through the use of its advanced charging technology and automatic reconditioning features, when used with IMPRES batteries.*		
	X			HKVN4036	NA Fleet Management License Key (Entitlement ID)	$489.00
	X			NNTN7392	IMPRES™ Battery Reader (Note: This device does not charge batteries)	$250.00
	X			NNTN7676	Fleet Mgmt Release 1.5 Download at MOL Resource Center, Req. Software License HKBN4036	$10.00
	X			NNTN7677	Fleet Management Multi-Unit Charger Interface (Note: This device does not charge batteries)	$80.00
	X			NNTN8045	Fleet Management Single-Unit Charger Interface Unit (Note: This device does not charge batteries)	$35.00

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SUGGESTED RETAIL

PROFESSIONAL TRUNKING
PORTABLE ACCESSORIES

PR400	HT1250-LS+	EX600-XLS	EX560-XLS	MODEL NUMBER	DESCRIPTION	MSRP
				Chargers & Accessories (continued):		
			X	PMLN5010	Charger Insert for EX560XLS with WPLN4187	$15.00
	X	X	X	PMLN5198	IMPRES Single Unit Rapid Rate Charger with CEC Compliant Switch Mode Power Supply	$75.75
	X			RLN5382	IMPRES™, Charger Display Module - retrofitable on IMPRES™ Multi Unit Chargers	$95.00
	X	X		WPLN4182	IMPRES™, Single Unit Charger	$62.50
	X	X	X	WPLN4187	IMPRES™, Multi Unit Charger	$495.00
	X			WPLN4192	IMPRES™ Multi Unit Charger with Display Modules - displays real-time for IMPRES™ batteries - mAh, % capacity, time remaining to rapid charge complete, battery s/n, charge status, voltage, kit number, expected full chargecapacity & more.	$650.00
	X			ENKN4002	Programming Cable for VHF & UHF Vehicular Adapters (required when using external speaker and/or with LS radios)	$143.00
	X			GSN6059	13 Watt External Speaker	$71.50
	X			GKN6270	Power Cable with 10A Fuse	$25.00
				Earpieces:		
X	X	X		5080370E97	Replacement Rubber Eartips, Clear - Pack of 25 (for use with RLN6232, RLN6241)	$29.25
X	X	X		5080384F72	Replacement Foam Plugs-Pack of 50 (for use with RLN6230, RLN6231), Noise Reduction Rating = 24dB	$116.50
	X			AARLN4885	Receive-Only Foam Earbud with 3.5mm plug (for use with the Remote Speaker Microphone or Public Safety Microphone) - Intrinsically Safe (FM)	$25.00
	X			AARMN4021	Receive-Only Earpiece without Volume Control, Beige - Intrinsically Safe (FM)	$45.00
	X			AARMN4022	2-Wire Surveillance Kit with Microphone & PTT Combined, Beige - Intrinsically Safe (FM) (Resale Packaging available through RPSD)	$100.00
	X			AARMN4028	Receive-Only Earpiece without Volume Control, Black - Intrinsically Safe (FM) - (Resale Packaging available through RPSD)	$45.00
	X			AARMN4029	2-Wire Surveillance Kit with Microphone & PTT Combined, Black - Intrinsically Safe (FM)	$100.00
		X	X	BDN6664	Receive-Only Surveillance Kit, Beige (single wire) (EX500, EX560•XLS & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM))	$40.00
		X	X	BDN6665	Receive-Only Surveillance Kit with Extra Loud Earphone, Beige (single wire, exceeds OSHA limits) (EX500, EX560•XLS & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM))	$42.00
		X	X	BDN6666	Receive-Only Surveillance Kit with Volume Control, Beige (single wire) (EX500, EX560•XLS & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM))	$53.00
		X	X	BDN6667	2-Wire Surveillance Kit with Microphone and PTT Combined, Beige (EX500, EX560•XLS & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM)) (PR1500 - requires BDN6673 - Intrinsically Safe (FM))	$114.00
		X	X	BDN6668	3-Wire Surveillance Kit with Microphone and PTT Separate, Beige (EX500, EX560•XLS & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM)) (PR1500 - requires BDN6676 - Intrinsically Safe (FM))	$135.00
		X	X	BDN6669	2-Wire Surveillance Kit with Microphone and PTT Combined with Extra Loud Earphone, Beige (exceeds OSHA limits) (EX500, EX560•XLS & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM)) (PR1500 - requires BDN6676 - Intrinsically Safe (FM))	$118.00
		X	X	BDN6670	3-Wire Surveillance Kit with Microphone and PTT Separate with Extra Loud Earphone, Beige (exceeds OSHA limits) (EX500, EX560•XLS & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM)) (PR1500 - requires BDN6676 - Intrinsically Safe (FM))	$150.00
		X	X	BDN6719	Flexible Ear Receiver, Black - Earpiece without Volume Control - (flexible earloop & speaker that rests external to the ear) (EX500, EX560•XLS & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM))	$35.00
X				BDN6720	Flexible Ear Receiver, Black - Earpiece without Volume Control (flexible earloop & speaker that rests external to ear - Resale Packaging through RPSD)	$35.00
		X	X	BDN6726	Receive-Only Surveillance Kit, Black (single wire) (EX500, EX560•XLS & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM))	$40.00
		X	X	BDN6727	Receive-Only Surveillance Kit with Extra Loud Earphone, Black (single wire, exceeds OSHA limits) (EX500, EX560•XLS & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM))	$42.00
		X	X	BDN6728	Receive-Only Surveillance Kit with Volume Control, Black (single wire) (EX500, EX560•XLS & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM))	$53.00
		X	X	BDN6729	2-Wire Surveillance Kit with Microphone and PTT Combined, Black (EX500, EX560•XLS & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM)) (PR1500 - requires BDN6676 - Intrinsically Safe (FM))	$114.00
		X	X	BDN6730	3-Wire Surveillance Kit with Microphone and PTT Separate, Black (EX500, EX560•XLS & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM)) (PR1500 - requires BDN6676 - Intrinsically Safe (FM))	$135.00
		X	X	BDN6731	2-Wire Surveillance Kit with Microphone and PTT Combined with Extra Loud Earphone, Black (exceeds OSHA limits) (EX500, EX560•XLS & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM)) (PR1500 - requires BDN6676 - Intrinsically Safe (FM))	$118.00
		X	X	BDN6732	3-Wire Surveillance Kit with Microphone & PTT Separate with Extra Loud Earphone, Black (exceeds OSHA limits) (EX500, EX560•XLS & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM)) (PR1500 - requires BDN6676 - Intrinsically Safe (FM))	$150.00

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SUGGESTED RETAIL

PROFESSIONAL TRUNKING
PORTABLE ACCESSORIES

PR400	HT1250-LS+	EX600-XLS	EX560-XLS	MODEL NUMBER	DESCRIPTION	MSRP
				Earpieces (continued):		
		X		BDN6780	Earbud with Clip Microphone and PTT Combined, Transmit & Receive (2-wire) (PR1500 - requires BDN6676 - Intrinsically Safe (FM))	$67.00
		X		BDN6781	Earbud, Receive Only (single wire) (PR1500 - requires BDN6676 - Intrinsically Safe (FM))	$27.00
	X			ENMN4013	Flexible Ear Receiver (flexible earloop & speaker that rests external to the ear) - Intrinsically Safe (FM)	$60.00
	X			ENMN4014	3-Wire Surveillance Kit with Microphone & PTT Separate, Black - Intrinsically Safe (FM)	$165.00
	X			ENMN4017	3-Wire Surveillance Kit with Microphone & PTT Separate, Beige - Intrinsically Safe (FM)	$165.00
X				HLN9132	Earbud (single wire - Receive only - not recommended for use with PL codes above 225 Hz)	$21.00
X				HMN9036	Earbud with Clip Microphone and PTT, Transmit & Receive (2-wire - not recommended for use with PL codes above 225 Hz - Resale Packaging is also available through RPSD)	$40.00
X				HMN9727	Earpiece without Volume Control, Beige (single wire - Resale Packaging available through RPSD) (PR400 - Intrinsically Safe (FM))	$36.00
X				HMN9752	Earpiece with Volume Control (single wire). Beige (PR400 - Intrinsically Safe (FM))	$45.00
X				HMN9754	2 Piece Surveillance Kit, with Microphone and PTT Combined, Beige (2-wire - rubber eartip style - Resale Packaging available through RPSD) (PR400 - Intrinsically Safe (FM))	$114.00
		X		PMLN4393	Flexible Ear Receiver with 2.5mm Plug (for use with Remote Speaker Microphone JMMN4073) - contains a flexible earloop and speaker that rests external to the ear	$35.50
		X		PMLN4519	Earbud with Clip Microphone and PTT, Transmit and Receive - (2-wire - Intrinsically Safe (FM))	$85.00
X				PMMN4001	Ultra-Light Earpiece with Boom Microphone and In-Line PTT	$54.00
X	X			RLN4760	Small Custom Earpiece, Right Ear (for use with RLN6232)	$20.50
X	X			RLN4761	Medium Custom Earpiece, Right Ear (for use with RLN6232)	$20.50
X	X			RLN4762	Large Custom Earpiece, Right Ear (for use with RLN6232)	$20.50
X	X			RLN4763	Small Custom Earpiece, Left Ear (for use with RLN6232)	$20.50
X	X			RLN4764	Medium Custom Earpiece, Left Ear (for use with RLN6232)	$20.50
X	X			RLN4765	Large Custom Earpiece, Left Ear (for use with RLN6232)	$20.50
X				RLN4894	Earpiece without Volume Control, Black (single wire)	$35.00
X				RLN4895	2 Piece Surveillance Kit, with Microphone and PTT Combined, Black (2-wire - rubber eartip style)	$114.00
	X	X		RLN4922	Completely Discreet Earpiece Kit - must be used with any standard 2 or 3-wire surveillance kit	$340.00
	X			RLN4941	Receive-Only Earpiece with translucent tube, rubber eartip and 3.5mm plug (for use with the Remote Speaker Microphone or Public Safety Microphone)	$58.00
X				RLN5198_P	2-Wire Surveillance Kit with Clear Comfortable Acoustic Tube, Beige (Resale Packaged)	$125.00
	X			RLN5315	2-Wire Comfort Earpiece with Combined Microphone and PTT, Black Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise enhancement (RLN6232) already attached for extra comfort and convenience.	$108.00
	X			RLN5316	2-Wire Comfort Earpiece with Combined Microphone and PTT, Beige Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise enhancement (RLN6232) already attached for extra comfort and convenience.	$108.00
X				RLN5317	2-Wire Comfort Earpiece with Combined Microphone and PTT, Beige Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise enhancement (RLN6232) already attached for extra comfort and convenience.	$120.00
X				RLN5318	2-Wire Comfort Earpiece with Combined Microphone and PTT, Black Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise enhancement (RLN6232) already attached for extra comfort and convenience.	$120.00
X	X	X		RLN6230	Extreme Noise Kit - Includes 2 foam earplugs. For High Noise Environments. Noise Reduction = 24dB. The Quick Disconnect Adapter allows users to easily remove or alternate Acoustic Tubes (for use with Surveillance Accessories). Black	$32.00
X	X	X		RLN6231	Extreme Noise Kit - Includes 2 foam earplugs. For High Noise Environments. Noise Reduction = 24dB. The Quick Disconnect Adapter allows users to easily remove or alternate Acoustic Tubes (for use with Surveillance Accessories). Beige	$32.00
X	X	X		RLN6232	Low Noise Kit - Clear Acoustic Tube Assembly includes 1 Clear Rubber Eartip. For Low Noise Environments. The Quick Disconnect Adapter allows users to easily remove or alternate Acoustic Tubes (for used with Surveillance Accessories). Black	$20.00
X	X	X		RLN6241	Low Noise Kit - Clear Acoustic Tube Assembly includes 1 Clear Rubber Eartip. For Low Noise Environments. The Quick Disconnect Adapter allows users to easily remove or alternate Acoustic Tubes (for used with Surveillance Accessories). Beige	$20.00
X	X	X		RLN6242	Quick Disconnect Acoustic Tube Replacement (each sold separately)	$7.90
	X			WADN4190	Receive-Only Flexible Ear Receiver to be used with the Remote Speaker Microphone or Public Safety Microphone - Intrinsically Safe (FM)	$43.00
				General Accessories:		
	X			HLN9820	Accessory Dust Cover	$7.00

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PROFESSIONAL TRUNKING
PORTABLE ACCESSORIES

PR400	HT1250-LS+	EX600-XLS	EX560-XLS	MODEL NUMBER	DESCRIPTION	MSRP
				General Accessories (continued):		
		X		JMLN4638	Accessory Dust Cover	$6.00
		X	X	PMLN4455	Audio Accessory Adapter (this allows use of the HT1000 3.5mm audio accessories as noted within the price pages) - Intrinsically Safe (FM)	$43.50
	X	X	X	RLN4890	Assistive Turning Knobs	$15.75
X				RLN5500	Accessory Retainer Clip	$10.75
				Headsets & Accessories:		
X				3580371E59	Replacement Windscreen (for use with Boom Microphone) for use with BDN6647	$4.05
X				5080371E66	Replacement Ear Pads for use with BDN6647	$8.00
	X			AARMN4017	Ultra-Light Headset with Boom Microphone, Earbud Style Receiver - Intrinsically Safe (FM)	$55.00
	X			AARMN4018	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone and In-Line PTT - Intrinsically Safe (FM) (Resale Packaging available through RPSD)	$100.00
	X			AARMN4019	Medium Weight over-the-head Dual Muff Headset with Noise Cancelling Microphone & In-Line PTT - Noise Reduction Rating = 24dB - Intrinsically Safe (FM)	$265.00
	X			AARMN4020	Push-to-Talk or (VOX) Voice Activated Heavy Duty Dual Muff Headset with Noise Cancelling Microphone and PTT on Earcup, Noise Reduction Rating = 24dB - Intrinsically Safe (FM)	$525.00
	X			AARMN4031	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone - Intrinsically Safe (FM)	$65.00
	X			AARMN4032	Medium Weight over-the-head Dual Muff Headset with Noise Cancelling Microphone - Noise Reduction Rating = 24dB - Intrinsically Safe (FM)	$240.00
		X		BDN6635	Heavy Duty Noise Cancelling Boom Microphone Headset with VOX - Noise Reduction Rating = 24dB (EX500 & EX600•XLS - requires RKN4093) (PR1500 - requires BDN6673)	$906.00
		X		BDN6636	Heavy Duty Noise Cancelling Throat Microphone Headset with VOX - Noise Reduction Rating = 24dB (EX500 & EX600•XLS - requires RKN4093) (PR1500 - requires BDN6673 - Intrinsically Safe (FM))	$857.00
		X		BDN6645	Heavy Duty Noise Cancelling Boom Microphone Headset with PTT on Earcup - (requires separate adapter cable) - Noise Reduction Rating = 24dB (EX500 & EX600•XLS - requires RKN4093) (PR1500 - requires BDN6673 - Intrinsically Safe (FM))	$439.00
X				BDN6647	Medium Weight Single Muff Headset with Boom Microphone (PR400 - Intrinsically Safe (FM))	$151.00
X				BDN6648	Heavy Duty Headset with Noise Cancelling Boom Microphone, behind-the-head (can be worn with hardhat) - Noise Reduction Rating = 24dB	$525.00
	X			ENMN4012	Ultra-Light Headset, behind-the-head with In-Line PTT and Boom Microphone - Intrinsically Safe (FM)	$110.00
	X			ENMN4016	Medium Duty Headset, behind-the-head, with In-Line PTT & Noise Cancelling Boom Microphone, Noise Reduction Rating = 24dB - Intrinsically Safe (FM)	$270.00
X				HMN9013	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone (Resale Packaging available through RPSD) (PR400 - Intrinsically Safe (FM))	$57.00
X				HMN9021	Medium Weight Dual Muff Headset, over-the-head, Noise Reduction Rating = 24dB	$230.00
X				HMN9022	Medium Weight Dual Muff Headset, behind-the-head (can be worn with hardhat), Noise Reduction Rating = 24dB	$300.00
		X	X	JMMN4066	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone and In-Line PTT - Intrinsically Safe (FM)	$115.00
		X		NMN6245	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone and In-Line Push-to-Talk Switch (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM)) (PR1500 - requires BDN6676 - Intrinsically Safe (FM))	$149.00
		X		NMN6246	Ultra-Light Headset with Boom Microphone and In-Line Push-to-Talk, Earbud Style Receiver (EX500 & EX600•XLS - requires PMLN4455 - Intrinsically Safe (FM)) (PR1500 - requires BDN6676 - Intrinsically Safe (FM))	$129.00
		X		PMLN4585	Temple Transducer - Receive audio without covering the ear; behind-the-head style headset allows user to receive audio through the temples. Headset features a noise cancelling boom microphone and In-Line PTT - Intrinsically Safe (FM)	$175.00
X				PMLN5003	Retail Temple Transducer	$79.00
X				PMLN5011	Temple Transducer (2 Prong)	$159.00
		X	X	PMLN5320	Heavy Duty Headset with PTT on Earcup, Noise Reduction=24dB	$485.00
	X			PMLN6088	Headband Headset with Nexus Jack	$318.11
	X			PMLN6095	In-line PTT Adapter, GCAI	$315.67
	X			PMLN6803	Audio Adapter ATEX Small PTT Adapter	$315.67
X				REX4648	Replacement Windscreen (for use with Boom Microphone) and Foam Ear Pad	$7.20
X				RKN4090	Adapter Cable for Racing Headset (for use with RMN5015)	$100.00
	X			RKN4091	Adapter Cable for Racing Headset (for use with RMN5015)	$140.00
		X		RKN4093	Adapter Cable (use with RMN5015, BDN6645, BDN6635 & BDN6636 headsets)	$105.00
	X			RKN4097	In-Line PTT Adapter Cable (for use w/RMN4051, RMN4052 & RMN4053 Headsets)	$199.00
X				RLN5238	NFL Style Lightweight Single Muff Headset with In-Line PTT	$125.00
X				RLN5411	Ultra-Light Headset, behind-the-head with In-Line PTT and Boom Microphone	$60.00
X				RMN4016	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone and In-Line PTT - Intrinsically Safe (FM)	$76.00

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SUGGESTED RETAIL

PROFESSIONAL TRUNKING
PORTABLE ACCESSORIES

PR400	HT1250-LS+	EX600-XLS	EX560-XLS	MODEL NUMBER	DESCRIPTION	MSRP
				Headsets & Accessories (continued):		
	X			RMN4048	Temple Transducer - Receive audio without covering the ear; behind-the-head style headset allows user to receive audio through the temples. Headset features a noise cancelling boom microphone and In-Line PTT - Intrinsically Safe (FM)	$175.00
	X			RMN4051	2-Way Hard-Hat Mount Headset, Black - Noise Red. Rating = 22dB (requires RKN4097 or RKN4094)	$299.00
	X			RMN4052	Tactical Headband - Style Headset, Gray - Noise Red. Rating = 24dB (requires RKN4097 or RKN4094)	$388.00
	X			RMN4053	Tactical Hard - Hat Mount Headset, Gray - Noise Red. Rating = 22dB (requires RKN4097 or RKN4094)	$388.00
	X			RMN4055	RX Only Headband Headset 3.5MM RT Angle Plug	$129.17
	X			RMN4056	RX Only Hardhat Mount 3.5MM RT Angle Plug	$145.00
	X			RMN4057	RX Only Hardhat Mount 3.5MM Threaded	$145.00
X	X	X		RMN5015	Racing Headset - Same headset worn by pit crews on the CART racing circuit. Heavy Duty, behind-the-head (can be worn with hardhat) Headset with Noise Cancelling Swivel Boom Microphone. Noise Reduction Rating = 24dB (adapter cable required and sold separately)	$500.00
	X			RMN5048	Rugged Temple Transducer - Fully adjustable over-the-head style headset allows user to receive audio through the temples. Headset comes with a larger In-Line PTT and a larger noise canceling boom microphone than the standard model - Intrinsically Safe (FM)	$290.00
	X			RMN5132	3M Peltor HT Series Listen Only, HTM79B-34, Communications Headset Neckband	$146.77
	X			RMN5133	3M Peltor HT Series Listen Only, HTM79P3E-34, Communications Headset Helm	$146.77
	X			RMN5135	3M Peltor TacticalPro 2-Way Communications Headset, MT15H7B-07-34 SV, Neckband	$440.49
				Microphones:		
	X			3015829H01	Replacement Cable for Remote Speaker Microphone (PMMN4021)	$35.00
	X			3015829H02	Replacement Cable for Remote Speaker Microphone (PMMN4027)	$35.00
X				PMMN4013	Remote Speaker Microphone with Ear Jack, Coiled Cord & Swivel Clothing Clip Intrinsically Safe (FM)	$73.50
	X			PMMN4021	Remote Speaker Microphone with Ear Jack, Coiled Cord & Swivel Clothing Clip - Intrinsically Safe (FM)	$66.25
		X	X	PMMN4022	Remote Speaker Microphone with Ear Jack, Coiled Cord & Swivel Clothing Clip - Intrinsically Safe (FM)	$85.00
		X	X	PMMN4023	Remote Speaker Microphone w/IP57 Rating, Coiled Cord & Swivel Clothing Clip - Intrinsically Safe (FM)	$89.00
	X			PMMN4027	Remote Speaker Microphone w/IP57 Rating, Coiled Cord & Swivel Clothing Clip - Intrinsically Safe (FM)	$69.00
X				PMMN4029	Remote Speaker Microphone w/IP57 Rating, Coiled Cord & Swivel Clothing Clip - Intrinsically Safe (FM)	$75.00
	X			PMMN4039	Noise Cancelling Remote Speaker Microphone with Coiled Cord, Swivel Clothing Clip and 3.5mm Audio Jack - Intrinsically Safe (FM)	$75.00
	X			PMMN4044	Remote Speaker Microphone with Volume, IP57 - Intrinsically Safe (FM)	$110.00
	X			RMN5035	UHF Public Safety Microphone, 30" Straight Cable with 3.5mm Audio Jack, volume switch and antenna (450-470 MHz Only) - Intrinsically Safe (when using a carry case with the professional public safety microphone, please include HLN7020 - carry case strap adapter)	$150.00
	X			RMN5036	VHF Public Safety Microphone, 30" Straight Cable with 3.5mm Audio Jack, volume switch and antenna (148-174 MHz Only) - Intrinsically Safe (when using a carry case with the professional public safety microphone, please include HLN7020 - carry case strap adapter)	$150.00
	X			RMN5075	UHF Public Safety Microphone, 24" Straight Cable with 3.5mm Audio Jack, volume switch and antenna (450-470 MHz Only) - Intrinsically Safe (when using a carry case with the professional public safety microphone, please include HLN7020 - carry case strap adapter)	$150.00
	X			RMN5076	VHF Public Safety Microphone, 24" Straight Cable with 3.5mm Audio Jack, volume switch and antenna (148-174 MHz Only) - Intrinsically Safe (when using a carry case with the professional public safety microphone, please include HLN7020 - carry case strap adapter)	$150.00
				Ear Microphones:		
X	X	X		0180300E83	Body Switch Push to Talk for Ear Microphone System - Intrinsically Safe (FM)	$159.00
X	X	X	X	0180358B38	Finger Push to Talk Switch for Ear Microphone System - Intrinsically Safe (FM)	$52.50
	X			BDN6641	Ear Microphone, Gray (for high noise levels up to 105dB) - req. Interface Module - Intrinsically Safe (FM). ***NOTE: Only for use with AARMN4044 & AARMN4045***	$247.00
	X			BDN6677	Ear Microphone, Black (for noise levels up to 95dB) - requires Interface Module - Intrinsically Safe (FM). ***NOTE: Only for use with AARMN4044 & AARMN4045***	$198.00
	X			BDN6678	Ear Microphone, Beige (for noise levels up to 95dB) - requires Interface Module - Intrinsically Safe (FM). ***NOTE: Only for use with AARMN4044 & AARMN4045***	$198.00
	X	X		BDN6768	Ear Microphone, Black (for noise levels up to 95dB) - requires Interface Module - Intrinsically Safe (FM). ***NOTE: Only for use with RMN5117 & JMMN4064***	$198.00
	X	X		BDN6769	Ear Microphone, Beige (for noise levels up to 95dB) - requires Interface Module - Intrinsically Safe (FM). ***NOTE: Only for use with RMN5117 & JMMN4064***	$198.00
	X	X		BDN6770	Ear Microphone, Gray (for high noise levels up to 105dB) - req. Interface Module - Intrinsically Safe (FM). ***NOTE: Only for use with RMN5117 & JMMN4064***	$247.00
		X	X	JMMN4064	Interface Module for PTT or VOX Operation - Intrinsically Safe (FM)	$347.00
	X			RMN5117	Interface Module for PTT or VOX Operation - Intrinsically Safe (FM) (VOX operational only on conventional channel)	$347.00
				CommPort: *Integrated Microphone/Receiver: CommPort Integrated Microphone/Receiver System is a communication device that is intelligible in high noise levels up to 100dB. This device's acoustic technology does not rely on bone conduction for communication.*		
	X			AAHLN9717	Replacement Audio Adapter w/3.5mm jack for CommPort Integrated Microphone Receiver System	$52.50
	X			NKN6508	Replacement Cable for NTN1722 & NTN1625	$34.50
	X			NKN6510	Replacement Palm PTT Cable for NTN1624 & NTN1723	$53.00

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PROFESSIONAL TRUNKING
PORTABLE ACCESSORIES

PR400	HT1250-LS+	EX600-XLS	EX560-XLS	MODEL NUMBER	DESCRIPTION	MSRP
				Microphones (continued):		
	X			NKN6525	Replacement Snap-on-Side PTT Cable for NTN1737	$75.00
	X			NNTN4187	Integrated Microphone Receiver with Remote Push-to-Talk Body Switch - Intrinsically Safe (FM)	$485.00
	X			NNTN4188	Replacement Remote PTT Body Switch	$180.00
	X			NTN1722	Integrated Ear Microphone & Receiver System with PTT on Radio Adapter - Intrinsically Safe (FM)	$344.00
	X			NTN1724	Integrated Ear Microphone & Receiver System with Ring PTT - Intrinsically Safe (FM)	$370.00
	X			NTN1737	Integrated Ear Microphone & Receiver with Snap-on-Side PTT - Intrinsically Safe (FM)	$378.00
	X			NTN8821	CommPort Maintenance Kit - includes Replacement Ear Tubes (qty 10), Windscreens (qty 2) and Microphone Seal Strips (qty 10)	$46.00
	X			NTN8986	Adhesive Pads (qty 90) for secure attachment to the ear	$23.00
	X			NTN8988	Ear Straps (qty 10) for secure attachment to the ear	$17.25
	X			RLN5037	Replacement Ear Tubes (qty 10)	$26.00
				Mag One Audio Accessories:		
X				PMLN4442	Mag One Earbud with MIC/PTT/VOX Switch	$18.00
X				PMLN4443	Mag One Ear Receiver with MIC/PTT/VOX Switch	$20.00
X				PMLN4444	Mag One Earset Boom Microphone with PTT/VOX	$26.00
X				PMLN4445	Mag One Headset with PTT/VOX Switch	$30.00
X				PMMN4008	Mag One Remote Speaker Microphone	$31.00
				Service Equipment: *Pricing for service parts can be found on MOL or by contacting Customer Service*		
X	X	X	X	0180357A57	Wall Mounted Power Supply, 120V (for use with RLN4008)	Call for pricing
X	X	X	X	3080369B72	9 Pin PC to Radio Interface Box Cable (IBM AT or compatible)	Call for pricing
	X			AA0180305G54	Battery Eliminator Cable (requires RLN4510 - 7.5 V)	Call for pricing
		X	X	AAJMKN4123	Programming & Test Cable - Progr. cables require a Radio Interface Box (RIB).	Call for pricing
		X	X	AAJMKN4124	Cloning Cable	Call for pricing
X				AAPMKN4004	Programming & Test Cable - Programming cables require a Radio Interface Box (RIB), also compatible with RLN4460 used for radio testing.	Call for pricing
	X			AARKN4074	Programming & Test Cable - Programming cables require a Radio Interface Box (RIB), also compatible with RLN4460 used for radio testing. (Multi-Language manual)	Call for pricing
	X	X	X	H5177	Portable & Mobile Programming Software Plus (CPS+) - 3 Year Subscription Package - HVN9025 includes CPS/PPCPS (PassPort® Customer Programming Software), CPS tutorial, reflashing tool and freq. finder application for the HT, EX, CDM & MTX•LS Series. HVN9067 for MTX Series Privacy Plus - includes HT & MTX Series Programming & Test Cable (AARKN4074). Also is compatible with RLN4460 used for radio testing. (HVN9025 is compatible with Windows® 95/98/2000 (SP3 or later version) / Millennium (ME) / Windows NT®. HVN9067 is compatible with Windows® 95/98/Windows NT®.) A Mobile Programming Cable (AARKN4074 or AARKN4083) must be purchased separately. ***Note: Software requires a license agreement and is not intended for resale.***	Call for pricing
	X			RKN4073	Cloning Cable (Multi-Language manual)	Call for pricing
	X			RKN4075	Ribless Programming Cable - provides interface between computer and radio - (not compatible with RIB) (Multi-Language Manual)	Call for pricing
X	X	X	X	RLN4008	Radio Interface Box (RIB)	Call for pricing
X	X	X	X	RLN4460	Test Box for Portables and Mobiles	Call for pricing
	X			RLN4510	7.5 Volt Universal Battery Eliminator	Call for pricing
X				RLN5583	Flash Upgrade Adapter	Call for pricing
X				RVN4191	Portable & Mobile Programming Software (CPS) - 3 Year Subscription Package - Portables requires AAPMKN4004 Programming/Test Cable. Mobiles require one of the following Programming Cables & Adapters: RKN4081 Programming Cable with FKN8096 Programming Adaptor 3080070N01 Programming Cable with FKN8096 Program Adapter or AARKN4083 Programming Cable with FKN8113 Program Adapter. ***Note: Software requires a license agreement and is not intended for resale.***	Call for pricing
				User Manuals:		
	X			6880906Z54-D	HT750, HT1250, HT1250•LS+, HT1550•XLS, MTX850, MTX950, MTX8250, MTX9250, MTX850•LS & MTX8250•LS Basic Service Manual	$11.00
	X			6881088C46-E	HT750, HT1250, HT1250•LS+, HT1550•XLS, MTX850, MTX950, MTX8250, MTX9250, MTX850•LS & MTX8250•LS Detailed Service Manual	$27.00
		X		6881094C00-A	EX500 & EX600•XLS Basic Service Manual	$10.00
		X		6881094C21-O	EX500 & EX600•XLS Detailed Service Manual	$25.00
X				6881096C24	PR400 Basic Service Manual	$16.00
X				6881096C25	PR400 Detailed Service Manual	$25.00

Mobiles - Page 1
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SUGGESTED RETAIL

CDM750™
LOWBAND, VHF & UHF MOBILES
12.5/20/30 kHz

All CDM750 mobile models include:

- Standard Compact Microphone (AARMN4025)
- Standard Bracket Low Profile Bracket for VHF/UHF - GLN7324
- 3 Point Bracket for LowBand Models- RLN4774
- Standard Power Cable (LowBand HKN4191 - VHF/UHF HKN4137_R)
- Replaceable Button Package (Includes buttons for MON (Monitor) and SCAN (Scan))
- Two Year Warranty

Main Radio Features:

Max. Number of Channels	4
Display	N/A
Keypad (via Enhanced Microphone)	Optional
Menu Navigation Buttons	N/A
Front Programmable Buttons	2
Channel Up / Down Rocker	Buttons 1,2,3,4
Control Station Operation*	✓

Enhanced Radio Features:

Remote Mount	Optional
MDC1200 Signalling	✓
DTMF	Encode
Quick Call II	N/A
Option Board	✓
Monitor/Permanent Monitor	✓
Data Capable	✓

Systems Supported:

Analog Conventional	✓
Repeater Talkaround	✓
12.5kHz (VHF/UHF)	✓
20kHz & 30kHz	Lowband

Note: The HKN9327_R Ignition Switch Cable is required for installations requiring ignition sense.

Notes:

* Requires external power supply (HPN4007), optional desktop tray, and optional desktop microphone, does not support LowBand Models.

The following frequencies are not allowed:

35.175	403.200	436.805	468.300	504.000
35.630	403.205	443.950	470.400	507.875
30.735 +/- 5 kHz	419.195	453.595	483.320	511.755
40.980 +/- 5 kHz	420.000	453.605	488.345	
151.200	436.795	457.805	494.955	
168.000	436.800	459.905	498.830	

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MSRP
36-42 MHz	LowBand	40-60W	4	AAM25CKC9AA1_N	683.33
42-50 MHz	LowBand	40-60W	4	AAM25DKC9AA1_N	683.33
136-174 MHz	VHF	1-25W	4	AAM25KHC9AA1_N	633.33
136-174 MHz	VHF	25-45W	4	AAM25KKC9AA1_N	716.67
403-470 MHz	UHF	1-25W	4	AAM25RHC9AA1_N	700.00
403-470 MHz	UHF	25-40W	4	AAM25RKC9AA1_N	783.33
450-512 MHz	UHF	1-25W	4	AAM25SHC9AA1_N	700.00

FCC INFORMATION AZ492FT1628 (36-42 MHz 40-60W) / AZ492FT1626 (42-50 MHz 40-60W) / AZ492FT3796 (136-174 MHz 1-25W) / AZ492FT3795 (136-174 MHz 25-45W) / AZ492FT4835 (403-470 MHz 1-25W) / AZ492FT4830 (403-470 MHz 25-40W) / AZ492FT4829 (450-512 MHz 1-25W) / AZ492FT4836 (450-512 MHz 25-40W)

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Date 1/1/14
SUGGESTED RETAIL

CDM750™
LOWBAND, VHF & UHF MOBILES
OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP
Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE FOR EACH STEP		
	STEP 1:	
Microphone Choices:		
STDMIC0103	Standard Compact Microphone - Supports Remote Monitor (AARMN4025)	N/C
B20	Enhanced Keypad Microphone - Supports Remote Monitor (AARMN4026)	$51.00
G632	Heavy Duty Microphone (AARMN4038)	$36.00
B71	Omit Microphone	-$10.00
	STEP 2:	
Bracket Choices:		
STDBKT0103	Standard Mounting Bracket (LB - RLN4774, VHF/UHF - GLN7324)	N/C
B65	Omit Standard Mounting Bracket	-$4.00
	STEP 3:	
Cable Choices:		
STDCBL0103	Standard Power Cable (LowBand HKN4191 & VHF/UHF HKN4137_R)	N/C
B161	Omit Standard Power Cable	-$8.00
	STEP 4:	
Shipping Box Choices:		
STDBOX0103	Standard CDM Series Individual Model Box	N/C
B842	Bulk Packaging (minimum 6 units per line item)	N/C
	STEP 5:	
Control Head Choices:		
STDRAD0103	Standard CDM Radio Control Head	N/C

General Options:		MSRP
QA01227	CDM750 User Guide (6881091C54)	N/C
G400	1 Year Service from the Start -LITE- Provides 1 year of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$38.00
G24	2 Year Service from the Start -LITE - Provides 2 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$73.00
G398	3 Year Service from the Start -LITE - Provides 3 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$108.00

Mobiles - Page 3
Date 4/7/14
SUGGESTED RETAIL

CDM1250™
LOWBAND, VHF & UHF MOBILES
12.5/20/30 kHz

All CDM1250 mobile models include:

- Standard Compact Microphone (AARMN4025)
- Standard Bracket Low Profile Bracket for VHF/UHF - GLN7324
- 3 Point Bracket for LowBand Models- RLN4774
- Standard Power Cable (LowBand HKN4191 - VHF/UHF HKN4137_R)
- Replaceable Button Package (Includes buttons for MON (Monitor), SCAN (Scan), CALL (Radio Call), PHONE (Phone) and HOME (Channel Revert))
- Two Year Warranty

Main Radio Features:

Max. Number of Channels	64
Display	Monochrome
Keypad (via Enhanced Microphone)	Optional
Menu Navigation Buttons	N/A
Front Programmable Buttons	4
Channel Up / Down Rocker	✓
Control Station Operation*	✓

Enhanced Radio Features:

Remote Mount	Optional
MDC1200 Signalling	✓
DTMF	✓
Quick Call II	✓
Option Board	✓
Monitor/Permanent Monitor	✓
Data Capable	✓

Systems Supported:

Analog Conventional	✓
Repeater Talkaround	✓
12.5kHz (VHF/UHF)	✓
20kHz & 30kHz	Lowband

Note: The HKN9327_R Ignition Switch Cable is required for installations requiring ignition sense.

Notes:

* Requires external power supply (HPN4007), optional desktop tray, and optional desktop microphone, does not support LowBand Models.

The following frequencies are not allowed:

35.175	403.200	436.805	468.300	504.000
35.630	403.205	443.950	470.400	507.875
30.735 +/- 5 kHz	419.195	453.595	483.320	511.755
40.980 +/- 5 kHz	420.000	453.605	488.345	
151.200	436.795	457.805	494.955	
168.000	436.800	459.905	498.830	

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MSRP
36-42 MHz	LowBand	40-60W	64	AAM25CKD9AA2_N	$816.67
42-50 MHz	LowBand	40-60W	64	AAM25DKD9AA2_N	$816.67
136-174 MHz	VHF	1-25W	64	AAM25KHD9AA2_N	$766.67
136-174 MHz	VHF	25-45W	64	AAM25KKD9AA2_N	$850.00
403-470 MHz	UHF	1-25W	64	AAM25RHD9AA2_N	$833.33
403-470 MHz	UHF	25-40W	64	AAM25RKD9AA2_N	$916.67
450-512 MHz	UHF	1-25W	64	AAM25SHD9AA2_N	$833.33

FCC INFORMATION AZ492FT1628 (36-42 MHz 40-60W) / AZ492FT1626 (42-50 MHz 40-60W) / AZ492FT3796 (136-174 MHz 1-25W) / AZ492FT3795 (136-174 MHz 25-45W) / AZ492FT4835 (403-470 MHz 1-25W) / AZ492FT4830 (403-470 MHz 25-40W) / AZ492FT4829 (450-512 MHz 1-25W) / AZ492FT4836 (450-512 MHz 25-40W)

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SUGGESTED RETAIL

CDM1250™
LOWBAND, VHF & UHF MOBILES
OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP
Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE FOR EACH STEP		
	STEP 1:	
Microphone Choices:		
STDMIC0109	Standard Compact Microphone - Supports Remote Monitor (AARMN4025)	N/C
B20	Enhanced Keypad Microphone - Supports Remote Monitor (AARMN4026)	$51.00
G632	Heavy Duty Microphone (AARMN4038)	$36.00
B71	Omit Microphone	-$10.00
	STEP 2:	
Bracket Choices:		
STDBKT0109	Standard Mounting Bracket (LB - RLN4774, VHF/UHF - GLN7324)	N/C
B65	Omit Standard Mounting Bracket	-$4.00
	STEP 3:	
Cable Choices:		
STDCBL0109	Standard Power Cable (LowBand HKN4191 & VHF/UHF HKN4137_R)	N/C
B161	Omit Standard Power Cable	-$8.00
	STEP 4:	
Shipping Box Choices:		
STDBOX0109	Standard CDM Series Individual Model Box	N/C
B842	Bulk Packaging (minimum 6 units per line item)	N/C
	STEP 5:	
Control Head Choices:		
STDRAD0109	Standard CDM Radio Control Head	N/C
General Options:		**MSRP**
QA01227	CDM1250 User Guide (6881091C55)	N/C
G400	1 Year Service from the Start -LITE - Provides 1 year of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$38.00
G24	2 Year Service from the Start -LITE - Provides 2 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$73.00
G398	3 Year Service from the Start -LITE - Provides 3 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$108.00

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SUGGESTED RETAIL

CDM1550™
LOWBAND MOBILE
20/30 kHz

All CDM1550 mobile models include:
- Standard Compact Microphone (AARMN4025)
- Standard Bracket (3 Point Bracket - RLN4774)
- Standard Power Cable (HKN4191)
- Replaceable Button Package (Includes buttons for MON (Monitor), SCAN (Scan), CALL (Radio Call), PHONE (Phone) and HOME (Channel Revert))
- Two Year Warranty

Main Radio Features:

Max. Number of Channels	**128**
Display	**Monocrhome**
Keypad (via Enhanced Microphone)	**Optional**
Menu Navigation Buttons	✓
Front Programmable Buttons	**4**
Channel Up / Down Rocker	✓
Control Station Operation	**N/A**

Enhanced Radio Features:

Remote Mount	**Optional**
MDC1200 Signalling	✓
DTMF	✓
Quick Call II	✓
Option Board	✓
Monitor/Permanent Monitor	✓
Data Capable	✓

Systems Supported:

Analog Conventional	✓
Repeater Talkaround	✓
12.5kHz (VHF/UHF)	**N/A**
20kHz & 30kHz	**Lowband**

Note: The HKN9327_R Ignition Switch Cable is required for installations requiring ignition sense.

The following frequencies are not allowed:
35.175 30.735 +/- 5 kHz
35.630 40.980 +/- 5 kHz

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MSRP
42-50 MHz	LowBand	40-60W	128	AAM25DKF9AA5_N	$875.00

FCC INFORMATION AZ492FT1626 (42-50 MHz 40-60W)

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SUGGESTED RETAIL

CDM1550™
LOWBAND, VHF & UHF MOBILES
OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP
Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE FOR EACH STEP		
	STEP 1:	
Microphone Choices:		
STDMIC0792	Standard Compact Microphone - Supports Remote Monitor (AARMN4025)	N/C
B20	Enhanced Keypad Microphone - Supports Remote Monitor (AARMN4026)	$51.00
G632	Heavy Duty Microphone (AARMN4038)	$36.00
B71	Omit Microphone	-$10.00
	STEP 2:	
Bracket Choices:		
STDBKT0792	Standard Mounting Bracket (RLN4774)	N/C
B65	Omit Standard Mounting Bracket	-$4.00
	STEP 3:	
Cable Choices:		
STDCBL0792	Standard Power Cable (HKN4191)	N/C
B161	Omit Standard Power Cable	-$8.00
	STEP 4:	
Shipping Box Choices:		
STDBOX0792	Standard CDM Series Individual Model Box	N/C
B842	Bulk Packaging (minimum 6 units per line item)	N/C
	STEP 5:	
Control Head Choices:		
STDRAD0792	Standard CDM Radio Control Head	N/C

General Options:		MSRP
QA01227	CDM1550 User Guide (6881091C56)	N/C
G400	1 Year Service from the Start -LITE - Provides 1 year of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$38.00
G24	2 Year Service from the Start -LITE - Provides 2 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$73.00
G398	3 Year Service from the Start -LITE- Provides 3 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$108.00

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SUGGESTED RETAIL

PM1500™
VHF & UHF MOBILE
12.5 kHz

All PM1500 Models include:

- Standard Palm Microphone (HMN1090)
- Standard Mounting Brackets (HKN6186, HLN6909, 0364583H01 & 5564610H02)
- Standard 7.5 Watt External Speaker (HSN4038)
- Standard 20 Ft. Power Cable (HKN6110)
- Standard 17 Ft. Remote Mount Cable (HKN6169)
- Ignition Sense / Control Head Cable (HKN6188)
- Two Year Warranty

Main Radio Features:

Max. Number of Channels	255
Display	Monochrome
Keypad (via Enhanced Microphone)	Optional
Menu Navigation Buttons	N/A
Front Programmable Buttons	4
Channel Up / Down Rocker	Selector Knob
Control Station Operation	N/A

Enhanced Radio Features:

Remote Mount	Required
MDC1200 Signalling	✓
DTMF	✓
Quick Call II	✓
Option Board	N/A
Monitor/Permanent Monitor	✓
Data Capable	✓

Systems Supported:

Analog Conventional	✓
Repeater Talkaround	✓
12.5kHz (VHF/UHF)	✓
20kHz & 30kHz	25kHz Optional

**12.5 kHz only operation. See the General Options section for 25 kHz operation ordering requirements*

Dual Control Head:
Dual control head is available in the options menu. Select the appropriate dual control head configuration options in each of the 5 steps.

The following frequencies are not allowed:

136.700	148.9875	407.425
139.775	153.600	409.600
142.850	160.000	417.71875
144.0125	161.150	435.200
145.925	384.000	460.800

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MSRP
136-174 MHz	VHF	25-110W	255	AAM79KTD9PW5_N	$1,800
380-470 MHz	UHF	25-110W	255	AAM79QTD9PW5_N	$1,900

FCC INFORMATION AZ492FT3808 (136-174 MHz) / AZ492FT4870 (380-470 MHz)

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SUGGESTED RETAIL

PM1500™
VHF & UHF MOBILE
OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP
Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP		
	STEP 1:	
Control Head Choices:		
STDRAD0483	Standard Radio Single Control Head	N/C
QA00530	Dual Control Head Radio	$340.00
	STEP 2:	
Microphone Choices:		
STDMIC0483	Standard Palm Microphone (HMN1090)	N/C
W20	Enhanced Keypad Microphone (HMN4079)	$180.00
QA00551	Dual Control Head Microphone Configuration (HMN1090 and HMN1089)	$65.00
G90	Omit Microphone	-$25.00
	STEP 3:	
Speaker Choices:		
STDSPK0483	Standard 7.5 Watt Speaker (HSN4038)	N/C
W432	13 Watt Speaker (HSN4040)	$11.00
QA00552	Dual Control Head Speaker Configuration (HSN4038 and HSN4039)	$65.00
G142	Omit Speaker	-$20.00
	STEP 4:	
Bracket Choices:		
STDBKT0483	Standard Mounting Brackets (HKN6186, HLN6909, 5564610H02, HSN4040 & 0364583H01)	N/C
QA00553	Dual Control Head Bracket Configuration ((2) HKN6186, (1) HLN6909, (1) 5564610H02, (1) 5564957H02 & (1) 0364583H01)	$20.00
B65	Omit Mounting Brackets	-$30.00
	STEP 5:	
Remote Mount Cable Choices:		
STDRMC0483	Standard 17 Ft. Remote Mount Cable (HKN6169)	N/C
G618	10 Ft. Remote Mount Cable (HKN6170)	-$5.00
G610	30 Ft. Remote Mount Cable (HKN6168)	$7.00
G609	50 Ft. Remote Mount Cable (HKN6167)	$15.00
QA00554	Standard Dual Remote Mount Configuration (2 - 17 ft. Cable) HKN6169	$20.00
QA00555	Dual Remote Mount Configuration (17 ft. Cable & 10 ft. Cable) HKN6169 & HKN6170	$15.00
QA00556	Dual Remote Mount Configuration (17 ft. Cable & 30 ft. Cable) HKN6169 & HKN6168	$27.00
QA00557	Dual Remote Mount Configuration (17 ft. Cable & 50 ft. Cable) HKN6169 & HKN6167	$34.00

General Options:		MSRP
QA01227	PM1500 User Guide CD (PMLN4981)	N/C
QA03400	Add: 25kHz Operation Note: Option must be included in the order (for both US and Canada) to obtain 25 kHz operation. If the option is not included, the radio must be returned to the Motorola Service Depot to enable 25 kHz operation. In the United States it is the responsibility of the FCC licensee to comply with the FCC Narrowbanding Mandate and program this radio with 25 kHz analog channels in a manner that is consistent with the FCC narrowband regulations for VHF (150-174 MHz) and UHF1 (421-470 MHz) MHz frequency bands after January 1st 2013.	N/C
G400	1 Year Service from the Start -LITE - Provides 1 year of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$64.00
G24	2 Year Service from the Start -LITE - Provides 2 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$121.00
G398	3 Year Service from the Start -LITE - Provides 3 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$182.00

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SUGGESTED RETAIL

PM1200™
LOWBAND MOBILES
20/30 kHz

All PM1200 mobile models include:
- Standard Compact Microphone (AARMN4025)
- Transceiver Mounting Trunnion (HKLN4342)
- Remote Control Head (HKLN4331)
- Control Head Mounting Trunnion (HKLN4334)
- Standard Power Cable, 20 ft (HKLN4340)
- Standard Remote Mount Cable, 17 ft (HKLN4341)
- Spare Fuse Kit (HKLN4339)
- Keycaps and Button Covers
- Operating Instruction Manual
- Two Year Warranty

Main Radio Features:

Max. Number of Channels	**250**
Display	**Monochrome**
Keypad (via Enhanced Microphone)	**Optional**
Menu Navigation Buttons	**N/A**
Front Programmable Buttons	**6**
Channel Up / Down Rocker	**Selector Knob**
Control Station Operation	**N/A**

Enhanced Radio Features:

Remote Mount	**Required**
MDC1200 Signalling	**Optonal**
DTMF	**Optonal**
Quick Call II*	**Decode**
Option Board	✓
Monitor/Permanent Monitor	✓
Data Capable	✓

Systems Supported:

Analog Conventional	✓
Repeater Talkaround	✓
12.5kHz (VHF/UHF)	**N/A**
20kHz & 30kHz	**Lowband**

Note: The HKN9327_R Ignition Switch Cable is required for installations requiring ignition sense.

Notes:
*Quick Call II decode only via option board

The following frequencies are not allowed:

31.995	32.010	48.000
32.000	34.950	48.005
32.005	34.955	48.010

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MSRP
29.7-37 MHz	LowBand	50-120W	250	AAM32BMD9PW5_N	$1,200
37-50 MHz	LowBand	50-120W	250	AAM32CMD9PW5_N	$1,200

FCC INFORMATION AZ492FT1629 (29.7-36 MHz 40-60W) / AZ492FT1630 (37-50 MHz 40-50W)

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General Options:		MSRP
Q884	1 Year Service from the Start -LITE - Provides 1 year of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$44.00
H885	2 Year Service from the Start -LITE - Provides 2 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$84.00
H886	3 Year Service from the Start -LITE - Provides 3 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$125.00

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SUGGESTED RETAIL

PROFESSIONAL MOBILE ACCESSORIES

PM1200	CDM750 / CDM1250 / CDM1550	PM1500	MODEL NUMBER	DESCRIPTION	MSRP
			Antennas:		
	X	X	HAD4006	VHF 1/4 Wave Through-hole Mount Antenna, 136-144 MHz	$19.50
	X	X	HAD4007	VHF 1/4 Wave Though-hole Mount Antenna, 144-150.8 MHz	$19.50
	X	X	HAD4008	VHF 1/4 Wave Through-hole Mount Antenna, 150.8-162 MHz	$19.50
	X	X	HAD4009	VHF 1/4 Wave Through-hole Mount Antenna, 162-174 MHz	$19.50
	X		HAD4014	VHF 3dB Gain Though-hole Mount Antenna, 140-174 MHz	$65.50
		X	HAD4017	VHF 1/4 Wave Wideband Antenna, 146-174 MHz	$50.25
		X	HAD4022	VHF 3dB Gain Through-	$65.50
	X		HAE4002	UHF 1/4 Wave Through-hole Mount Antenna, 403-430 MHz	$27.75
	X	X	HAE4003	UHF 1/4 Wave Through-hole Mount Antenna, 450-470 MHz	$21.50
	X		HAE4004	UHF 1/4 Wave Through-hole Mount Antenna, 470-527 MHz	$21.50
	X		HAE4010	UHF 3.5dB Gain Through-hole Mount Antenna, 406-420 MHz	$77.50
	X	X	HAE4011	UHF 3.5dB Gain Through-hole Mount Antenna, 450-470 MHz	$77.50
	X		HAE4013	UHF 3.5dB Gain Through-hole Mount Antenna, 494-512 MHz	$72.00
		X	HAE6010	UHF 3.5dB Gain Antenna, 380-433 MHz	$63.00
		X	HAE6012	UHF 1/4 Wave Whip Antenna, 380-433 MHz	$23.00
		X	HAE6013	UHF 2dB Wideband Gain Antenna 380-470 MHz	$60.25
X	X		RAB4002ARB	Low Band 1/4 Wave Base Loaded Antenna, 29.7-36 MHz	$72.50
X	X		RAB4003ARB	Low Band 1/4 Wave Base Loaded Antenna, 36-42 MHz	$82.00
X	X		RAB4004ARB	Low Band 1/4 Wave Base Loaded Antenna, 42-50 MHz	$75.25
	X		RAD4000AMB	VHF 3dB Gain Magnetic Mount Antenna, 140-174 MHz	$80.50
	X	X	RAE4004AMB	UHF 5dB Gain Magnetic Mount Antenna, 440-470 MHz	$109.25
	X		RAE4004ARB	UHF 5dB Gain Through-hole Mount Antenna, 450-470 MHz	$92.00
		X	RAE4014ARB	UHF 5dB Gain Through-hole Mount Antenna, 445-470 MHz	$110.25
			Control Station Accessories:		
	X		GLN7318	Desktop Tray without Speaker	$40.00
	X		GLN7326	Desktop Tray with Speaker	$82.50
		X	HKN6188	Control Head / Ignition Sense Power Cable	$21.79
	X		HKN9088	Mobile Mini-U Antenna Adapter - 8 Ft. Cable	$40.25
	X		HPN4007	Power Supply and Cable (1-60 Watt Models)	$296.00
	X		RMN5068	Desk Microphone, Black	$120.00
			Exchangeable Button Kits: *NOTE: Other individual exchangeable buttons are available through RPSD. See Basic Service Manual for button numbers.*		
	X		RLN4829	Standard Button Kit, CDM750: MON, SCAN	$3.15
	X		RLN4830	Button Kit, CDM1250, CDM1550, CDM1550 LS & CDM1550 LS+: ZONE, XPAND, HI/LO, VSTR, Emergency Icon	$7.90
	X		RLN4831	Standard Button Kit, CDM1250, CDM1550, CDM1550•LS & CDM1550•LS+: MON, SCAN, CALL, HOME, PHONE	$7.90
			Handsfree Accessories:		
X	X		AARMN4027	Visor Mounted Microphone	$57.25
		X	HLN5113	Emergency Footswitch	$61.75
		X	HLN5131	Emergency Pushbutton Switch	$61.75
X	X		RLN4836_R	Emergency Footswitch	$61.75
X	X		RLN4856	Footswitch PTT	$61.75
X	X		RLN4857	Pushbutton PTT	$38.50
			Installation and Alarm Accessories:		
X	X		GKN6272_R	External Alarm Relay and Cable	$55.00
	X		HKN4137	Power Cable to Battery (10 feet, 15 amp)	$18.00
	X		HKN4191	20 Amp High Power Cable to Battery	$18.00
	X	X	HKN4192	Power Cable to Battery (20 feet, 20 amp)	$38.33
		X	HKN4258	External Alarm Cable	Call for Price
X	X		HKN9327_R	Ignition Switch Cable	$15.00
	X		HKN9557	PL259/Mini-U Antenna Adapter - 8" cable	$12.00
	X		HLN9457	Hardware Kit for use with the Expanded Accessory Connector (includes 16 connector pins, five (5) 8" wires with pins attached and an extra housing)	$6.95
		X	HLN6953	Alarm Buzzer	$58.00
		X	HSN4038	External 7.5 Watt Water Resistant Remote Mount Speaker	$60.50

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SUGGESTED RETAIL

PROFESSIONAL MOBILE ACCESSORIES

PM1200	CDM750 / CDM1250 / CDM1550	PM1500	MODEL NUMBER	DESCRIPTION	MSRP
			Installation and Alarm Accessories (continued):		
		X	HSN4039	External 13 Watt Water Resistant Remote Mount Speaker	$71.50
X	X		HSN8145	7.5 Watt External Speaker - for Receiver Audio	$47.50
X	X		RSN4001	13 Watt External Loudspeaker	$66.00
			Microphones:		
X	X		AAREX4617	Telephone Style Handset with Hang-Up Cup (CDM - not for use with Dual Control Head)	$132.00
X	X		AARMN4025	Compact Microphone (Supports Remote Monitor)	$47.25
	X		AARMN4026	Enhanced Keypad Microphone (Supports Remote Monitor)	$99.00
X	X		AARMN4038	Heavy Duty Microphone (Does Not Support Remote Monitor)	$81.50
		X	HLN1457	Handset with Hang-Up Cup	$285.00
	X		HLN9073	Microphone Hang-Up Clip (all microphones)	$1.10
		X	HMN1089	Water Resistant Microphone	$68.00
		X	HMN1090	Palm Microphone	$75.00
		X	HMN4079	Enhanced Keypad Microphone	$320.00
			Mounting Accessories:		
		X	5564610H02	Quick Release Lock (used with HLN6909)	Call for Price
	X		GLN7317	High Profile Mounting Bracket (VHF, UHF, 200 MHz & 700 MHz)	$21.00
	X		GLN7324	Low Profile Mounting Bracket (VHF, UHF, 200 MHz & 700 MHz)	$13.25
		X	HKN6164	Remote Mount Cable 131 ft.	Call for Price
		X	HKN6165	Remote Mount Cable 115 ft.	Call for Price
		X	HKN6166	Remote Mount Cable 75 ft.	Call for Price
		X	HKN6167	Remote Mount Cable 50 ft.	Call for Price
		X	HKN6168	Remote Mount Cable 30 ft.	Call for Price
		X	HKN6169	Remote Mount Cable 17 ft.	Call for Price
		X	HKN6170	Remote Mount Cable 10 ft.	Call for Price
		X	HKN6186	Remote Mount Trunnion	Call for Price
		X	HLN6909	Quick Release High Power Trunnion (used with 5564610H02)	Call for Price
		X	HLN6910	High Power Trunnion (requires HLN6909 and 5564610H02)	$103.00
	X		RLN4774	3 Point Mounting Bracket (LowBand)	$20.00
	X		RLN4779	Key Lock Mounting Bracket (VHF, UHF, 200 MHz & 700 MHz)	Call for Price
	X		RLN4781	Direct in Dashboard Mounting Kit (VHF, UHF, 200 MHz & 700 MHz)	Call for Price
			Public Address and Accessories:		
	X		HKN9324_R	15 Ft. Public Address & Speaker Cable (one cable per speaker)	$44.00
	X		HSN1006	External Speaker for Car Kit	$104.00
	X		RLN5288	Public Address Kit - Includes Cable (requires HSN1006 Speaker)	$419.00
			Remote Mounts: *Note: both power cable & remote mount cable are required*		
X			HKKN4017	Remote Mount Cable, 8 ft. (PM1200 only)	$34.50
X			HKKN4018	Remote Mount Cable, 33 ft. (PM1200 only)	$111.50
X			HKKN4019	Power Cable 33 ft.	$164.50
X			HKLN4331	Remote Mount Kit - PM1200	$390.00
X			HKLN4340	Power Cable 20 ft.	$66.00
X			HKLN4341	Remote Mount Cable, 17 ft. (PM1200 only)	$57.50
	X		RKN4077	Remote Mount Cable, 3 meter length	$8.25
	X		RKN4078	Remote Mount Cable, 5 meter length	$10.50
	X		RKN4079	Remote Mount Cable, 7 meter length	$13.00
	X		RLN4801	Remote Mount Kit - CDM750 models (requires HKN4192 power cable)	$93.50
	X		RLN4802	Remote Mount Kit - CDM1250/CDM1550 models (req. HKN4192 power cable)	$93.50
			Retrofit Kits:		
	X		6686119B01	Dismantling Tool	$3.00
	X		AAHHLN4182	DTMF Decode Option Board - Field Install Only (only compatible with CDM1250 & CDM1550)	$82.50
	X		AAHLN9725	Voice Storage Option Board - Field Install Only	$74.75
		X	HK1321	PM1500 Single Control Head Retrofit Kit: includes (1) HKN6188A - Ignition Sense Cable, (1) HKN6186 - Control Head Bracket, (1) HSN4039A - External Speaker, (1) PMLN4907 - Control Head and (1) HMN1089A - Speaker Microphone. Remote Mount Cable must be purchased separately.	$543.00
X			HKLN4345	Interface Boards for PM1200 Option Boards	$36.00
X			HKLN4346	QC II Decoder Option Board (PM1200 only, requires HKLN4345)	$43.00
	X		RLN4823	Mobile Option Board Installation Kit (required to install Option Boards)	$16.50
			Service Equipment: *Pricing for service parts can be found on MOL or by contacting Customer Service*		
	X		0180305J69	Mobile Data Product Training CD	Call for pricing
	X		0180357A57	Wall Mounted Power Supply, 120V (for use with RLN4008)	Call for pricing
	X		3080070N01	Programming Cable	Call for pricing

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SUGGESTED RETAIL

PROFESSIONAL MOBILE ACCESSORIES

PM1200	CDM750 / CDM1250 / CDM1550	PM1500	MODEL NUMBER	DESCRIPTION	MSRP
			Service Equipment (continued):		
	X		3080369B72	9 Pin PC to Radio Interface Box Cable (IBM AT or compatible)	Call for pricing
X	X		AARKN4083	Programming Cable (allows radio programming via rear accessory connector) (PM400 - requires FKN8113)	Call for pricing
	X		H5177	Portable & Mobile Programming Software Plus (CPS+) - 3 Year Subscription Package - HVN9025 includes CPS/PPCPS (PassPort® Customer Programming Software), CPS tutorial, reflashing tool and freq. finder application for the HT, EX, CDM & MTX•LS Series. HVN9067 for MTX Series Privacy Plus - includes HT & MTX Series Programming & Test Cable (AARKN4074). Also is compatible with RLN4460 used for radio testing. (HVN9025 is compatible with Windows® 95/98/2000 (SP3 or later version) / Millennium (ME) / Windows NT®. HVN9067 is compatible with Windows® 95/98/Windows NT®.) A Mobile Programming Cable (AARKN4074 or AARKN4083) must be purchased separately. ***Note: Software requires a license agreement and is not intended for resale.***	Call for pricing
		X	HKN6183	RS-232 Programming Cable	Call for pricing
		X	HKN6184	Mobile Front Programming Cable	Call for pricing
X	X		RKN4081	Programming Cable with Internal RIB (direct connection from computer to radio microphone connector) (PM400 requires FKN8096)	l for pricing
	X		RLN4008	Radio Interface Box (RIB)	Call for pricing
	X		RLN4460	Test Box for Portables and Mobiles	Call for pricing
		X	RVN4185	Mobile Software CD, Version R01.00.00 - 3 Year Subscription Requires one of the following Programming Cables - HKN6183 (RS-232) or HKN6184 (USB). ***Note: Software requires a license agreement and is not intended for resale.***	Call for pricing
		X	RVN4186	Portable/Mobile Software 2 CD Set - 3 Year Subscription - (includes RVN4185 & RVN4181). Requires one of the following Programming Cables - HKN6183 (RS-232) or HKN6184 (USB). ***Note: Software requires a license agreement and is not intended for resale.***	Call for pricing
X			RVN5165	PM1200 Mobile CPS	Call for pricing
			Trident PassPort Data: *Options below require data capable Trident Infrastructure. Please refer to Trunking Systems in FIXED Section for options including Trident Web Hosting banner options.*		
	X		RRDN6917	Web Hosting of TrAVL Vehicle Tracking Application - Note: Annual subscription per unit.	$142.50
	X		RRDN7491	AVL Data Cable Kit - Note: Includes GPS antenna, mobile interface module (RIM/RAM), and accessory connector for use with PM400, CDM750, CDM1250, CDM1550 and CDM1550LS+ mobiles.	$468.00
			User Manuals:		
	X		6881091C62-D	CDM Series Basic Service Manual (English)	$14.18
	X		6881091C63-B	CDM Series Detailed Service Manual	$29.66

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SUGGESTED RETAIL

VX-5500
MOBILE
LOWBAND MODEL

All VX-5500 Mobiles Include:
- Microphone (must select appropriate option)
- Transceiver Mounting Trunnion (RA026290)
- Standard 9 ft Power Cable (T9021015)
- Spare Fuse Kit (Q0000075)
- Keycaps and Button Covers
- Operating Instruction Manual
- Standard 3 Year Warranty

Main Radio Features:

Max. Number of Channels	250
Display	Monocrhome
Keypad (via Enhanced Microphone)	Optional
Menu Navigation Buttons	N/A
Front Programmable Buttons	7
Channel Up / Down Rocker	Selector Knob
Control Station Operation	N/A

Enhanced Radio Features:

Remote Mount	N/A
MDC1200 Signalling	Optional
DTMF	Optional
Option Board	N/A
Monitor/Permanent Monitor	✓
Data Capable	✓

Systems Supported:

Analog Conventional	✓
Repeater Talkaround	✓
12.5kHz (VHF/UHF)	N/A
20kHz & 30kHz	Lowband

Warranty Policy:
The VX-5500 has a 3-Year radio warranty. For warranty repair, the radio must be sent to Vertex Standard directly. Please contact Vertex Standard at 1-800-2Vertex for the required repair request form. Vertex Standard Accessories have a 1-Year Warranty. For accessory warranty, please contact Motorola Customer Service at 1-800-927-2744 for a warranty replacement order.

Service Repair Policy:
VX-5500 radios are supported by Motorola's 45 day DOA Policy. For 45 day DOA radios, please contact Motorola's Customer Service at 1-800-927-2744. After 45 days, please contact Vertex Standard directly for all repair services at 1-800-2Vertex for the required repair request form. All service charges will require credit card payment.

Return Policy:
The VX-5500 Radio is supported by the Motorola Return Policy. All radios must be returned in like-new condition, with the factory box, packing materials, owner's manual, and warranty cards. For returns, please contact Motorola Customer Service at 1-800-927-2744.

Post Sales Support:
For post-sales technical inquiries and support needs, please contact Vertex Standard directly at 1-800-2Vertex.

BAND SPLIT	BAND	PWR	CHAN	MODEL NUMBER	ORDERING NUMBER	MSRP
29.7-37 MHz	LowBand	70W	250	VX-5500LA	AC034L007-VX	$683.33

FCC INFORMATION: K6610342150

Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER MODEL		MSRP
QA02625	ADD: MH-53C7A Speaker Microphone	$0.00
QA02648	ADD: MH-53A7A Noise Cancelling Speaker Microphone	$44.00
QA02649	ADD: MH-53B7A DTMF Speaker Microphone	$58.00

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SUGGESTED RETAIL

VX-5500

LowBand Analog Mobile Radio

ACCESSORIES

VX-5500	MODEL	DESCRIPTION	MSRP
	Cover Plates:		
X	AAB27X012-MSI	Cover Plate for RF Deck in Remote Applications	$65.00
X	AAB27X011-MSI	Cover Plate for Control Head - Includes mounting bracket and hardware.	$105.00
	DC Cables:		
X	XUVTN0001-MSI	CT-96PS Ignition Sense Cable	$18.33
X	AAE06X001-MSI	E-DC-22 30ft DC Cable	$80.00
	DC Noise Filter:		
X	A09120001-MSI	LF-1 Plug-In Line Filter	$35.00
	Microphones:		
X	AAB02X004-MSI	MH-53A7A Heavy Duty Noise-Cancelling Microphone	$103.00
X	AAB02X007-MSI	MH-53A8A Heavy Duty Weatherproof Noise Cancelling DTMF Mic	$149.00
X	AAB02X005-MSI	MH-53B7A Noise-Cancelling Microphone with DTMF Keypad	$163.00
X	AAB02X006-MSI	MH-53C7A Heavy Duty Microphone	$105.00
	Mounting Brackets:		
X	AAB26X001-MSI	MMB-75 Mobile Mounting Bracket	$25.00
X	AAB72X001-MSI	MMB-76 Locking Mobile Mounting Bracket	$75.00
	Power Supplies:		
X	XUSLX0001A-MSI	FP-1023 External Power Supply, 23 Amp	$216.88
	Programming and Installation:		
X	AAD67X001-MSI	CT-105 FIF-12 Interface Cable	$60.00
X	AAA24X001-MSI	CT-70 RS232 Radio Programming Cable (Requires VX VPL-1 Cable)	$63.00
X	AAA26X001-MSI	CT-72 Cloning Cable (Radio-To-Radio)	$68.00
X	AAJ23X001-MSI	FIF-12 USB Interface for PC Programming.	$150.00
X	A06420002-MSI	VX VPL-1 Programming Cable from PC	$87.00
	Service / Alignment:		
X	AAC54X001-MSI	CT-88 Cable - Connects from DB25 accessory port to FIF-8 box for adjustments to alignment. FIF-8 Box not included.	$55.00
X	AAC46X001-MSI	FIF-8 Firmware Writer - powered by PA-23B (not supplied)	$188.00
	Speakers:		
X	A09260003-MSI	MLS-100 External Speaker Rectangular (12 Watt Pack)	$62.00
	User Manuals:		
X	EC034N100	VX-5500 Operating Manual - Available via MOL	-
X	EC034L90F	Low-Band FM Transceiver VX-5500L Service Manual - Available via MOL	-

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SUGGESTED RETAIL

XTL™ 1500
ASTRO® UHF & VHF DIGITAL MOBILES
700/800 MHz

All XTL 1500 models include:
- Palm Microphone (HMN1090)
- Internal Speaker
- Ignition Sense Cable
- 10 Foot Negative Ground Power Cable (3 meters) for Dash Mount
- Mounting Hardware
- One Year Warranty

Notes:
1. All XTL 1500 radios are part of the FLASHport® program and ship standard with a FLASH EE Prom, which allows for feature and system upgrades.
2. Trunking capable mobiles are only available through Above the Pricebook (APB)

ORDERING REQUIREMENTS
1. The main model number consists of the mobile transceiver or "brick" for the frequency band and power level, control head hardware, control head software, dash mount capability, mounting hardware, power cable, ignition sense cable, internal speaker and microphone.
2. A System Software Package (G790 or G966) MUST be ordered for each radio unit ordered.
3. Any additional accessories that are required can be ordered as an option or accessory part number.
4. A software enhanced version of the system software package can be ordered (G966) as an option if customers require any of the capacity or feature capabilities described in the table below titled Enhanced Radio Features G966 Digital Conventional Option.

OPERATING MODES

Capable of operation in voice communication modes:
- P25 Conventional (G790)
- P25 Conventional Enhanced (G966)

The mode of operation is programmed on a channel-by-channel basis. The XTL 1500 is capable of transmitting clear analog voice or clear (unencrypted) ASTRO digital voice, depending on the channel programming. XTL 1500 radio functions include ASTRO Digital signaling and digital coding.

Main Radio Features:

Max. Number of Channels	48
Display	Monochrome
Keypad (via Enhanced Microphone)	Optional
Menu Navigation Buttons	N/A
Front Programmable Buttons	4
Channel Up / Down Rocker	Selector Knob
Control Station Operation	Optional
Option Board	✓
Data	✓

Systems Supported:

Analog Conventional	G790 Option
P25 Digital Conventional	G790 Option
P25 Digital Conventional Enhanced	G966 Option
12.5kHz (UHF/VHF)	✓

Enhanced Radio Features: G966 Digital Conventional Option

Max. Number of Channels	512
Trunked Systems	16
Trunked Personalities	16
Call Lists	20
Call List Members	25
Scan Lists	20
Data	✓
Encryption	Software ADP

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SUGGESTED RETAIL

XTL™ 1500
ASTRO® UHF & VHF DIGITAL MOBILES
700/800 MHz

BAND SPLIT	BAND	WATTS	CATALOG MODEL	MSRP
136-174 MHz	VHF	10-50W	M28KSS9PW1 N	$1,600.00
380-470 MHz	UHF	10-40W	M28QSS9PW1_N	$1,600.00
450-520 MHz	UHF	10-45W	M28SSS9PW1_N	$1,600.00
764-870 MHz	700/800 MHz	35W	M28URS9PW1_N	$1,600.00

FCC INFORMATION: AZ492FT3805 (VHF) / AZ492FT4862 (UHF) / AZ492FT5823 (700/800 MHz)

MODEL NUMBER	DESCRIPTION	MSRP
Options:		
Software Package Options: EACH MODEL MUST BE ORDERED WITH A SOFTWARE PACKAGE OPTION		
G790	P25 Conventional	$130.00
G966	P25 Conventional Enhanced	$330.00
Antenna Options: EACH MODEL MUST BE ORDERED WITH AN ANTENNA OPTION		
VHF		
G296	VHF 136-144 MHz, 1/4 Wave Through-hole Mount Antenna (HAE4006)	$13.50
G297	VHF 144-150.8 MHz, 1/4 Wave Through-hole Mount Antenna (HAD4007)	$13.50
G299	VHF 150.8-162 MHz, 1/4 Wave Through-hole Mount Antenna (HAD4008)	$19.50
G300	VHF 162-174 MHz, 1/4 Wave Through-hole Mount Antenna (HAD4009)	$13.50
G89	No Antenna Required	N/C
UHF		
G425	UHF 380-433 MHz, 1/4 Wave Whip Antenna (HAE6012)	$25.00
G426	UHF 450-470 MHz, 1/4 Wave Whip Antenna (HAE4003)	$25.00
G490	UHF 470-512 MHz, 1/4 Wave Antenna (HAE4004)	$14.00
G493	UHF 470-494 MHz, 3.5dB Gain Through-hole Mount Antenna (HAE4012)	$33.00
G494	UHF 494-512 MHz, 3.5dB Gain Through-hole Mount Antenna (HAE4013)	$33.00
G428	UHF 445-470 MHz, 3.5dB Gain Through-hole Mount Antenna (HAE4011)	$50.00
G431	UHF 380-470 MHz, 2dB Wideband Gain Antenna (HAE6013)	$58.00
G89	No Antenna Required	N/C
700 / 800 MHz		
G174	764-870 MHz, 3dB Gain Low-Profile Antenna (HAF4013)	$43.00
G175	764-870 MHz, 3dB Gain Elevated Feed Antenna (HAF4014)	$75.00
G335	764-870 MHz, 1/4 Wave Antenna (HAF4016)	$14.00
W484	764-870 MHz, 3dB Gain Antenna (HAF4017)	$38.00
G89	No Antenna Required	N/C
Alarm Options:		
W116	External Alarm Relays and Cable (for either Horn or Lights - NOT both) (TLN4533 & HKN4258)	$75.00
Emergency Options:		
W470	External Emergency Footswitch (HLN5113)	$56.00
W688	External Emergency Pushbutton (HLN5131)	$56.00
Control Station Options:		
G91	Control Station Power Supply (HPN4007)	$269.00
G798	Control Station Base Mount (HLN6925)	$70.00
Microphone Options:		
W382	Control Station Microphone (RMN5070)	$169.00
W20	Keypad Microphone - GCAI (HMN4079)	$180.00
Speaker Options:		
B18	Auxiliary 5W Speaker (HSN4031)	$60.00
Miscellaneous Option:		
W81	Key Lock Mount (HLN6372)	$33.00

Options continued on next page.

For technical training of Motorola products, please visit:
https://learning.motorolasolutions.com/

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SUGGESTED RETAIL

XTL™ 1500
ASTRO® DIGITAL MOBILES
OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP
Warranty Options:		
G400	1 Year Service from the Start -LITE - Provides 1 year of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$64.00
G24	2 Year Service from the Start -LITE - Provides 2 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$121.00
G398	3 Year Service from the Start -LITE - Provides 3 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$182.00
GA00318	4 Year Service from the Start -LITE - Provides 4 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$246.00

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SUGGESTED RETAIL

XTL™ 1500
ASTRO® DIGITAL MOBILE
ACCESSORIES

XTL™ 1500	MODEL	DESCRIPTION	MSRP
	Antennas:		
X	HAD4006	VHF 1/4 Wave Through-hole Mount Antenna, 136-144 MHz	$19.50
X	HAD4007	VHF 1/4 Wave Though-hole Mount Antenna, 144-150.8 MHz	$19.50
X	HAD4008	VHF 1/4 Wave Through-hole Mount Antenna, 150.8-162 MHz	$19.50
X	HAD4009	VHF 1/4 Wave Through-hole Mount Antenna, 162-174 MHz	$19.50
X	HAD4022	VHF 3dB Gain Through-hole Mount Antenna, 136-174 MHz - 3.4 MHz Bandwidth	$65.50
X	HAE4003	UHF 1/4 Wave Through-hole Mount Antenna, 450-470 MHz	$21.50
X	HAE4004	UHF 1/4 Wave Through-hole Mount Antenna, 470-527 MHz	$21.50
X	HAE4011	UHF 3.5dB Gain Through-hole Mount Antenna, 450-470 MHz	$77.50
X	HAE4012	UHF 3.5dB Gain Through-hole Mount Antenna, 470-494 MHz	$77.50
X	HAE4013	UHF 3.5dB Gain Through-hole Mount Antenna, 494-512 MHz	$72.00
X	HAE6010	UHF 3.5dB Gain Antenna, 380-433 MHz	$63.00
X	HAE6011	UHF 5dB Gain Antenna, 380-433 MHz	$63.00
X	HAE6012	UHF 1/4 Wave Whip Antenna, 380-433 MHz	$23.00
X	HAE6013	UHF 2dB Wideband Gain Antenna 380-470 MHz	$60.25
X	HAF4013	800 MHz 3dB Gain Low-Profile Antenna, 762-870 MHz	$43.00
X	HAF4014	800 MHz 3dB Gain Elevated Feed Antenna, 762-870 MHz	$75.00
X	HAF4016	800 MHz 1/4 Wave Antenna, 762-870 MHz	$23.00
X	HAF4017	800 MHz 3dB Gain Collinear Antenna, 762-870 MHz	$40.75
X	RAE4014ARB	UHF 5dB Gain Through-hole Mount Antenna, 445-470 MHz	$110.25
X	RAE4016ARB	UHF 5dB Gain Antenna, 494-512 MHz	$143.50
	Cables:		
X	HKN4191	Mobile Power Cable	$18.00
X	HKN6160	Cable Kit 6' Data	$50.00
X	HKN6183	RS-232 Programming Cable	$66.35
	Microphones:		
X	HMN4079	Enhanced Keypad Microphone	$320.00
	Miscellaneous:		
X	HLN5113	Emergency Footswitch	$61.75
	Mounting Accessories:		
X	HLN6372	Key Lock Mounting	$44.00
X	HLN6925	Control Station Mount	$95.00
	Software:		
X	RVN4185	Mobile Software CD, Version R01.00.00 - 3 Year Subscription. Requires one of the following Programming Cables - HKN6183 (RS-232) or HKN6184 (USB). ***Note: Software requires a license agreement and is not intended for resale.***	$279.00
X	RVN4186	Portable/Mobile Software 2 CD Set - 3 Year Subscription - (includes RVN4185 & RVN4181). Requires one of the following Programming Cables - HKN6183 (RS-232) or HKN6184 (USB). ***Note: Software requires a license agreement and is not intended for resale.***	$394.00
	Speakers		
X	HSN4038	External 7.5 Watt Water Resistant Remote Mount Speaker (XTL 1500 - requires HKN6127 Adapter Cable for Dash Mount Compatibility)	$60.50

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SUGGESTED RETAIL

PM400™
VHF & UHF MOBILES
12.5 kHz

All PM400 Models Include:

- Standard Microphone (Heavy Duty Palm Microphone with 10.5 Ft. Coil Cord - HMN1035 & Hang - Up Clip - HLN9073)
- Standard Inst Bracket (Non- Locking Mounting Bracket - GLN7324)
- Standard Power Cable (HKN4137_R)
- User Guide / Safety Manual
- Two Year Warranty

Main Radio Features:

Max. Number of Channels	64
Display	Monochrome
Keypad (via Enhanced Microphone)	Optional
Menu Navigation Buttons	✓
Front Programmable Buttons	4
Channel Up / Down Rocker	✓
Control Station Operation*	✓

Enhanced Radio Features:

Remote Mount	N/A
MDC1200 Signalling	✓
DTMF	Encode
Option Board	✓
Monitor/Permanent Monitor	✓
Data Capable	✓

Systems Supported:

Analog Conventional	✓
Repeater Talkaround	✓
LTR/PassPort	LTR Only
12.5kHz (VHF/UHF)	✓

Notes:

* Requires external power supply (HPN4007), optional desktop tray, and optional desktop microphone.

PM400 Mobiles are not compatible components with the GR Series Repeaters.

The following frequencies are not allowed:
444.860
489.255

BAND SPLIT	BAND	CHANNEL SPACING	CHAN	PWR	CATALOG MODEL	MSRP
146-174 MHz	VHF	12.5 kHz	64	1-25W	AAM50KNF9AA3_N	$475.00
146-174 MHz	VHF		64	25-45W	AAM50KQF9AA3_N	$534.00
438-470 MHz	UHF	12.5 kHz	64	1-25W	AAM50RNF9AA3_N	$460.00
438-470 MHz	UHF		64	25-40W	AAM50RPF9AA3_N	$584.00

FCC INFORMATION: AZ492FT3805 (146-174 MHz 1-25W) / ABZ99FT3046 (146-174 MHz 25-45W) / AZ492FT4856 (438-470 MHz 1-25W) / ABZ99FT4048 (438-470 MHz 25-40W)

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SUGGESTED RETAIL

PM400™
VHF & UHF MOBILES
12.5/20 kHz

MODEL NUMBER	DESCRIPTION	MSRP

Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE FOR STEP 1

STEP 1:

Microphone Choices:

STDPKG0019	Standard Microphone (Heavy Duty Palm Microphone with 10.5 Ft. Coil Cord - HMN1035 & Hang-Up Clip - HLN9073)	N/C
G168	Compact Microphone with 7 Ft. Coil Cord & Hang-Up Clip (HMN3413)	-$15.00
G172	Enhanced Keypad Microphone & Hang-Up Clip (RMN5029)	$51.00
G311	Omit Standard Microphone	-$22.00

MODEL NUMBER	DESCRIPTION	MSRP

General Options:

G400	1 Year Service from the Start -LITE - Provides 1 year of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$34.00
G24	2 Year Service from the Start -LITE - Provides 2 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$65.00
G398	3 Year Service from the Start -LITE - Provides 3 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$97.00

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SUGGESTED RETAIL

CDM1550·LS+™
LTR®/PASSPORT® VHF & UHF MOBILES
12.5 kHz

All CDM1550•LS+ mobile models include:

- Standard Compact Microphone (AARMN4025)
- Standard Bracket (Low Profile Bracket - GLN7324)
- Standard Power Cable (Low Power HKN4137_R / High Power HKN4191)
- Replaceable Button Package (includes buttons for MON (Monitor), SCAN (Scan), CALL (Radio Call), PHONE (Phone), HOME (Channel Revert), ROAM (Roam Request) and SITE (Site/Min View)-RLN5324)
- Two Year Warranty

Main Radio Features:

Max. Number of Channels	160
Display	Monocrhome
Keypad (via Enhanced Microphone)	Optional
Menu Navigation Buttons	✓
Front Programmable Buttons	4
Channel Up / Down Rocker	✓
Control Station Operation*	✓

Enhanced Radio Features:

Remote Mount	Optional
MDC1200 Signalling	✓
DTMF	✓
Option Board	✓
Monitor/Permanent Monitor	✓
Data Capable	✓

Systems Supported:

Analog Conventional	✓
Repeater Talkaround	✓
LTR/PassPort Trunking	LTR/PassPort
12.5kHz (VHF/UHF)	✓

Note: The HKN9327 Ignition Switch Cable is required for installations requiring ignition sense.

Notes:

* Requires external power supply (HPN4007), optional desktop tray, and optional desktop microphone.

The following frequencies are not allowed:

151.200	436.795	453.605	483.320	511.755
403.200	436.800	457.805	488.345	507.875
403.205	436.805	459.905	494.955	
419.195	443.950	468.300	498.830	
420.000	453.595	470.400	504.000	

BAND SPLIT	BAND	PWR	TRUNK MODES/ TALKGROUPS	CONV CHAN	CATALOG MODEL	MSRP
136-174 MHz	VHF	1-25W	15/16	160	AAM25KHF9DP6_N	825.00
136-174 MHz	VHF	25-45W	15/16	160	AAM25KKF9DP6_N	908.33
403-470 MHz	UHF	1-25W	15/16	160	AAM25RHF9DP6_N	891.67
403-470 MHz	UHF	25-40W	15/16	160	AAM25RKF9DP6_N	975.00
450-512 MHz	UHF	1-25W	15/16	160	AAM25SHF9DP6_N	891.67

FCC INFORMATION AZ492FT3796 (136-174 MHz 1-25W) / AZ492FT3795 (136-174 MHz 25-45W) / AZ492FT4835 (403-470 MHz 1-25W) / AZ492FT4830 (403-470 MHz 25-40W) / AZ492FT4829 (450-512 MHz 1-25W) / AZ492FT4836 (450-512 MHz 25-40W)

LTR® is a registered trademark of E.F. Johnson Co. PassPort® is a registered trademark of Trident Micro Systems Inc.

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SUGGESTED RETAIL

CDM1550·LS+™
LTR®/PASSPORT® VHF & UHF MOBILES
OPTIONS

MODEL NUMBER	DESCRIPTION	MSRP
Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP		
	STEP 1:	
Microphone Choices:		
STDMIC0001	Standard Compact Microphone - Supports Remote Monitor (AARMN4025)	N/C
B20	Enhanced Keypad Microphone - Supports Remote Monitor (AARMN4026)	$51.00
G632	Heavy Duty Microphone (AARMN4038)	$36.00
B71	Omit Microphone	-$10.00
	STEP 2:	
Bracket Choices:		
STDBKT0001	Standard Mounting Bracket (GLN7324)	N/C
B65	Omit Standard Mounting Bracket	-$4.00
	STEP 3:	
Cable Choices:		
STDCBL0001	Standard Power Cable (Low Power HKN4137_R / High Power HKN4191)	N/C
B161	Omit Standard Power Cable	-$8.00
	STEP 4:	
Shipping Box Choices:		
STDBOX0001	Standard CDM Series Individual Model Box	N/C
B842	Bulk Packaging (minimum 6 units per line item)	N/C
	STEP 5:	
Control Head Choices:		
STDRAD0001	Standard CDM Radio Control Head	N/C

General Options:		MSRP
HA00019	PassPort 4.0 Enhanced Feature Set: Emergency, Priority Access, and Channel Backup Capability. *Note: 4.0 Enhanced System Infrastructure and Options must be purchased as well to allow for this feature set.*	$168.00
QA01227	CDM1550 LS+ User Guide (HKLN4015)	N/C
G400	1 Year Service from the Start -LITE - Provides 1 year of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$38.00
G24	2 Year Service from the Start -LITE - Provides 2 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$73.00
G398	3 Year Service from the Start -LITE - Provides 3 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$108.00

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SUGGESTED RETAIL

PROFESSIONAL TRUNKING
MOBILE ACCESSORIES

PM400	CDM1550•	MODEL NUMBER	DESCRIPTION	MSRP
		Antennas:		
	X	HAD4006	VHF 1/4 Wave Through-hole Mount Antenna, 136-144 MHz	$19.50
X	X	HAD4007	VHF 1/4 Wave Though-hole Mount Antenna, 144-150.8 MHz	$19.50
X	X	HAD4008	VHF 1/4 Wave Through-hole Mount Antenna, 150.8-162 MHz	$19.50
X	X	HAD4009	VHF 1/4 Wave Through-hole Mount Antenna, 162-174 MHz	$19.50
	X	HAD4014	VHF 3dB Gain Though-hole Mount Antenna, 140-174 MHz	$65.50
	X	HAE4002	UHF 1/4 Wave Through-hole Mount Antenna, 403-430 MHz	$27.75
X	X	HAE4003	UHF 1/4 Wave Through-hole Mount Antenna, 450-470 MHz	$21.50
	X	HAE4004	UHF 1/4 Wave Through-hole Mount Antenna, 470-527 MHz	$21.50
	X	HAE4010	UHF 3.5dB Gain Through-hole Mount Antenna, 406-420 MHz	$77.50
	X	HAE4011	UHF 3.5dB Gain Through-hole Mount Antenna, 450-470 MHz	$77.50
	X	HAE4012	UHF 3.5dB Gain Through-hole Mount Antenna, 470-494 MHz	$77.50
	X	HAE4013	UHF 3.5dB Gain Through-hole Mount Antenna, 494-512 MHz	$72.00
	X	HAF4012	700 MHz Mini U 1/4 Wave Through-hole Mount Antenna, 746-794 MHz	$16.00
	X	HKAD4001	200 MHz 1/4 Wave Through-hole Mount Antenna, 216-225 MHz	$32.00
	X	HKAD4002	200 MHz 5/8 Wave Through-hole Mount Antenna, 216-225 MHz	$95.00
X		RAD4000	Antenna Only (less cable & install hardware) - Standard Duty, 136-174 MHz	$50.00
X	X	RAD4000AMB	VHF 3dB Gain Magnetic Mount Antenna, 140-174 MHz	$80.50
X	X	RAE4004ARB	UHF 5dB Gain Through-hole Mount Antenna, 450-470 MHz	$92.00
X	X	RAE4004AMB	UHF 5dB Gain Magnetic Mount Antenna, 440-470 MHz	$109.25
X		TAE6053	UHF 1/4 Wave Through-hole Mount Antenna, 430-450 MHz	$20.50
		Control Station Accessories:		
	X	GLN7318	Desktop Tray without Speaker	$40.00
	X	GLN7326	Desktop Tray with Speaker	$82.50
X		HKN4139	12V Power Cable for Low Power Control Station 1-25W	$21.00
	X	HKN9088	Mobile Mini-U Antenna Adapter - 8 Ft. Cable	$40.25
X		HKN9455	12V Power Cable for High Power Control Station 25-60W	$22.00
X	X	HPN4007	Power Supply and Cable (1-60 Watt Models)	$296.00
X		RLN5390	Desktop Tray with Speaker	$81.00
X		RLN5391	Desktop Tray without Speaker	$51.50
	X	RMN5068	Desk Microphone, Black	$120.00
		Exchangeable Button Kits: *NOTE: Other individual exchangeable buttons are available through CCSD. Please see Basic Service Manual for button numbers.*		
	X	RLN4831	Standard Button Kit, CDM1250, CDM1550, CDM1550•LS & CDM1550•LS+: MON, SCAN, CALL, HOME, PHONE	$7.90
	X	RLN5324	Standard Button Kit, CDM1550•LS & CDM1550•LS+: MON, SCAN, CALL, HOME, PHONE, ROAM, SITE	$3.25
		External Speakers:		
	X	HSN8145	7.5 Watt External Speaker - for Receiver Audio	$47.50
	X	RSN4001	13 Watt External Loudspeaker	$66.00
		Handsfree Accessories:		
X	X	AARMN4027	Visor Mounted Microphone	$57.25
X	X	RLN4856	Footswitch PTT	$61.75
X	X	RLN4857	Pushbutton PTT	$38.50
		Installation and Alarm Accessories:		
	X	GKN6272_R	External Alarm Relay and Cable	$55.00
X		GLN7282	Alarm Buzzer	$46.25
X	X	HKN4137	Power Cable to Battery (10 feet, 15 amp)	$18.00
X		HKN4191	20 Amp High Power Cable to Battery	$18.00
	X	HKN4192	Power Cable to Battery (20 feet, 20 amp)	$38.33
X	X	HKN9327_R	Ignition Switch Cable	$15.00
	X	HKN9557	PL259/Mini-U Antenna Adapter - 8" cable	$12.00
X		HLN9242	16-Pin Accessory Kit with Expanded Connector (kit allows existing 16 pin connector accessories to be modified for enhanced connector reliability) when used with CM & SM Series or M1225 mobiles. Includes 9 wires with lugs, 1 connector housing, 16 crimping terminals, 2 tie straps and 1 extraction tool)	$16.00
X		HLN9328	External Alarm Relay Cable - horn & lights	$55.00
	X	HLN9457	Hardware Kit for use with the Expanded Accessory Connector (includes 16 connector pins, five (5) 8" wires with pins attached and an extra housing)	$6.95
X		HSN8145	7.5 Watt External Speaker - for Receiver Audio	$47.50
X	X	RLN4836_R	Emergency Footswitch	$61.75
X		RSN4001	13 Watt External Loudspeaker	$66.00
		Microphones:		
X	X	AAREX4617	Telephone Style Handset with Hang-Up Cup (CDM - not for use with Dual Control Head)	$132.00

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SUGGESTED RETAIL

PROFESSIONAL TRUNKING
MOBILE ACCESSORIES

PM400	CDM1550•LS+	MODEL NUMBER	DESCRIPTION	MSRP
		Microphones (continued):		
	X	AARMN4025	Compact Microphone (Supports Remote Monitor)	$47.25
	X	AARMN4026	Enhanced Keypad Microphone (Supports Remote Monitor)	$99.00
	X	AARMN4038	Heavy Duty Microphone (Does Not Support Remote Monitor)	$81.50
X	X	HLN9073	Microphone Hang-Up Clip (all microphones)	$1.10
X		HLN9414	Universal Hang-Up Clip (all microphones)	$7.70
X		HMN1035	Heavy Duty Palm Microphone with 10.5 Ft. Coil Cord	$81.50
X		HMN3413	Compact Microphone with 7 Ft. Coil Cord & Hang-Up Clip	$39.50
X		HMN3596	Compact Microphone with 7 Ft. Coil Cord	$38.50
X		RMN5029	Enhanced Keypad Microphone & Hang-Up Clip	$88.50
		Mounting Accessories:		
X	X	GLN7317	High Profile Mounting Bracket (VHF, UHF, 200 MHz & 700 MHz)	$21.00
X	X	GLN7324	Low Profile Mounting Bracket (VHF, UHF, 200 MHz & 700 MHz)	$13.25
X		HLN9227	8" Goose Neck Mounting Bracket	$28.75
X	X	RLN4779	Key Lock Mounting Bracket (VHF, UHF, 200 MHz & 700 MHz)	Call for pricing
	X	RLN4781	Direct in Dashboard Mounting Kit (VHF, UHF, 200 MHz & 700 MHz)	Call for pricing
		Public Address:		
X	X	HKN9324_R	15 Ft. Public Address & Speaker Cable (one cable per speaker)	$44.00
X	X	HSN1006	External Speaker for Car Kit	$104.00
X	X	RLN5288	Public Address Kit - Includes Interface Cable (requires HSN1006 speaker)	$419.00
		Remote Mounts (both power cable & remote mount cable are required)		
	X	RKN4077	Remote Mount Cable, 3 meter length	$8.25
	X	RKN4078	Remote Mount Cable, 5 meter length	$10.50
	X	RKN4079	Remote Mount Cable, 7 meter length	$13.00
	X	RLN4802	Remote Mount Kit - CDM1250/CDM1550 models (req. HKN4192 power cable)	$93.50
		Retrofit Kits:		
	X	6686119B01	Dismantling Tool	$3.00
		Service Equipment: *Pricing for service parts can be found on MOL or by contacting Customer Service*		
	X	0180305J69	Mobile Data Product Training CD	Call for pricing
	X	0180357A57	Wall Mounted Power Supply, 120V (for use with RLN4008)	Call for pricing
X	X	3080070N01	Programming Cable (connection from RIB to radio) (PM400 - requires FKN8096)	Call for pricing
	X	3080369B72	9 Pin PC to Radio Interface Box Cable (IBM AT or compatible)	Call for pricing
X	X	AARKN4083	Programming Cable (allows radio programming via rear accessory connector) (PM400 - requires FKN8113)	Call for pricing
X		FKN8096	Flash/Data Adapter (for use with RKN4081 or 3080070N01)	Call for pricing
X		FKN8113	Adapter Cable (for use with AARKN4083)	Call for pricing
	X	H5177	Portable & Mobile Programming Software Plus (CPS+) - 3 Year Subscription Package - HVN9025 includes CPS/PPCPS (PassPort® Customer Programming Software), CPS tutorial, reflashing tool and freq. finder application for the HT, EX, CDM & MTX•LS Series. HVN9067 for MTX Series Privacy Plus - includes HT & MTX Series Programming & Test Cable (AARKN4074). Also is compatible with RLN4460 used for radio testing. (HVN9025 is compatible with Windows® 95/98/2000 (SP3 or later version) / Millennium (ME) / Windows NT®. HVN9067 is compatible with Windows® 95/98/Windows NT®.) A Mobile Programming Cable (AARKN4074 or AARKN4083) must be purchased separately. ***Note: Software requires a license agreement and is not intended for resale.***	Call for pricing
X	X	RKN4081	Programming Cable with Internal RIB (direct connection from computer to radio microphone connector) (PM400 requires FKN8096)	Call for pricing
	X	RLN4008	Radio Interface Box (RIB)	Call for pricing
	X	RLN4460	Test Box for Portables and Mobiles	Call for pricing
X		RVN4191	Portable & Mobile Programming Software (CPS) - 3 Year Subscription Package - Portables require AAPMKN4004 Programming/Test Cable. Mobiles require one of the following Programming Cables & Adapter: RKN4081 Programming Cable with FKN8096 Program Adapter, 3080070N01 Programming Cable with FKN8096 Program Adapter or AARKN4083 Programming Cable with FKN8113 Program Adapter. ***Note: Software requires a license agreement and is not intended for resale.***	Call for pricing
		Trident PassPort Data: *Options below require data capable Trident Infrastructure. Please refer to Trunking Systems in FIXED Section for options including Trident web hosting banner options.*		
X	X	RRDN6917	Web Hosting of TrAVL Vehicle Tracking Application *Note: Annual subscription per unit.*	$142.50
		RRDN6968	Universal AVL Data Cable Kit *Note: Includes GPS antenna, mobile interface adaptor (RIM/RAM), with open cable terminations for use with non-Motorola mobiles. Requires field provided mobile accessory connector.*	$408.00
X	X	RRDN7491	AVL Data Cable Kit *Note: Includes GPS antenna, mobile interface module (RIM/RAM), and accessory connector for use with CDM1550LS+ and PM400 mobiles.*	$468.00
		User Manuals:		
X		6802966C15	CM200/CM300/PM400 Basic Service Manual	$18.00
X		6802966C20	CM200/CM300/PM400 VHF Detailed Service Manual	$25.00
	X	6881091C62-D	CDM Series Basic Service Manual (English)	$14.18
	X	6881091C63-B	CDM Series Detailed Service Manual	$29.66
X		6881098C00	CM200/CM300/PM400 UHF Detailed Service Manual	$26.25

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SUGGESTED RETAIL

CDR700 & CDR500 REPEATER HOUSINGS

CDR Repeater Housings:
- CDR700 (Desktop Mount)
- CDR500 (Wall Mount)

Each CDR700/CDR500 Housing Includes:
- Power Supply
- Fan Kit
- Repeater Interface Cables
- Service Manual
- 2 Year Warranty

CDR700

CDR500

Notes:
1. Each repeater housing utlizes two (2) CDM Series mobiles.
2. All CDM Series LowBand, VHF & UHF models are compatible.
3. FCC Frequency Stability requirements for repeater applications have been met for UHF 450-512 MHz operating at 12.5 kHz channel spacing. See the Mobile price pages for new CDM750, CDM1250 & CDM1550 models.

MODEL NUMBER	DESCRIPTION	MSRP
CDR500/700 Repeater Housing		
	Select One (1) CDR Repeater Housing. These housings are compatible only with CDM Series Mobiles. *NOTE: HKKN4000 Power Sense Cable: In the event of a power loss, this cable will allow the repeater to power up automatically once A/C is restored.*	
HKLN4056	CDR700 Desktop Repeater Housing **This housing contains one controller slot which accommodates 7" wide repeater controllers.*	$666.00
HKLN4060	CDR500 Wall Mount Repeater Housing **This housing contains one controller slot which accommodates 7" wide repeater controllers.*	$799.00
Purchase Separately - Required		
	Select Two (2) CDM Series Mobiles - See CDM Series price pages for model availability and pricing - Any two (2) CDM LowBand, VHF or UHF models can be utilized.	
	Select Repeater Controller(s)	
HLN3948	**Basic Interface Repeater Controller -** Provides repeater functionality, remote knock-down/set-up, in/crossband and uni/bi directional capabilities. "B" version includes a mounting shroud which is required for proper installation within the CDR700 repeater housing.	$254.00
HLN9119	**ZR340 Advanced Interconnect Controller -** Provides advanced interconnect capabilities including password driven access and disconnect codes, customized toll restrict and toll restrict bypass. Does not use RSS. Programming done via DTMF parameters.	$803.25

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SUGGESTED RETAIL

CDR700 & CDR500
REPEATER HOUSINGS
ACCESSORIES

MODEL NUMBER	DESCRIPTION	MSRP
Duplexer Accessories:		
All duplexers have female type "N" connectors.		
Select One (1) Tuned Duplexer (5 Days ARO) - Specify frequency for tuning.		
HFD8465	VHF Duplexer, 150-160 MHz (requires Internal Duplexer & Antenna Cable Kit - minimum & maximum freq. separation is 4.5 MHz/6 MHz)	$393.00
	Note: To order this Duplexer TUNED, call Dealer Support Services to place your order at 800-927-2744, Prompt 1, 1.	
	OR	
Select One (1) Untuned Duplexer - Requires tuning in the field.		
VHF - Duplexers		
HFD8188	VHF Duplexer, 144-155 MHz (minimum & maximum freq. separation 4.5 MHz/6 MHz)	$433.00
HFD8189	VHF Duplexer, 155-162 MHz (minimum & maximum freq. separation 4.5 MHz/6 MHz)	$486.00
HFD8190	VHF Duplexer, 162-174 MHz (minimum & maximum freq. separation 4.5 MHz/6 MHz)	$478.00
UHF - Duplexers		
HFE8400	UHF Duplexer, 406-450 MHz (minimum & maximum freq. separation 5 MHz)	$390.00
HFE8401	UHF Duplexer, 470-490 MHz (minimum & maximum freq. separation 3 MHz)	$438.00
(Only required if using a Duplexer)		
HKKN4002	CDR700 & CDR500 Internal Duplexer & Antenna Cable	$53.00
HKKN4001	CDR700 & CDR500 External Duplexer & Antenna Cable - required when using separate transmit and receive antennas or duplexers that do not fit into CDR500 & CDR700 housings.	$53.00
Antenna Accessories:		
RDD4527	VHF 3dB Gain Antenna, 150-158 MHz	$361.00
RDE4556	UHF 3.8dB Gain Antenna, 450-470 MHz	$421.00
Contact RPSD for additional antennas.		
Mounting Accessories:		
HLN9169	CDR500 & GR500 Wall & 19" Panel Mount	$100.00
HKLN4117	CDR500 Radio & Duplexer Mounting Bracket Retrofit Kit - This bracket allows the installation of CDM Series mobiles within a GR500 repeater housing.	$89.00
General Accessories:		
HLN9455	CDR700, GR1225, RKR1225 & GR400 X-Pand Battery Revert & Float Maintenance Charger	$155.00
HPN9033	CDR700, GR1225 & RKR1225 Power Supply	$201.60
HPN9005	CDR500 & GR500 Power Supply	$492.00
AARMN4026	Enhanced Keypad Microphone (Supports Remote Monitor)	$99.00
RMN5068	Desk Microphone, Black	$120.00
HKKN4000	Power Sense Cable - in the event of a power loss, this cable will allow the repeater to power up automatically once A/C is restored.	$25.00
HLN9457	Hardware Kit for use with the Expanded Accessory Connector (includes 16 connector pins, five (5) 8" wires with pins attached and an extra housing)	$6.95
6864110R66	CDR700 & CDR500 Service Manual	$15.00
Preselectors:		
- To order these Preselectors TUNED, call Dealer Support Services to place your order at 800-927-2744, Prompt 1, 1.		
- To order these Preselectors UN-TUNED, order directly through RPSD.		
- The CDR700 allows for the internal installation of either a duplexer or a preselector.		
- The CDR500 allows for internal mounting of a duplexer and a preselector.		
- All preselectors have female type "N" connector. A dealer supplied type "N" male to male connector is required for proper operation. The length of the cable depends on your application. Call Motorola RPSD Parts ID at 800-422-4210 to find a cable for your individual application or for additional preselector options.		
HFD8461	VHF Preselector, 144-160 MHz	$336.00
HFD8462	VHF Preselector, 160-174 MHz	$336.00
HFE8459	UHF Preselector, 440-474 MHz	$450.00
Lightning Protection Recommendation Accessories:		
Phone/Remote Line Suppressors:		
RRX4021	Single Line Suppressor	$50.00
Coaxial Cable In-Line Arrestors:		
DSISB50LNC2	Coax Protector. *Available to order via MOL only*	$66.00
RRX4032	Tower Mounting Hardware for Lightning Arrestor	$15.00
Desktop Controllers and Remote Adapters:		
See Desktop Controllers and Remote Adapters for pricing and ordering information within this section.		

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SUGGESTED RETAIL

REPEATER INTERFACE COMMUNICATIONS KIT™

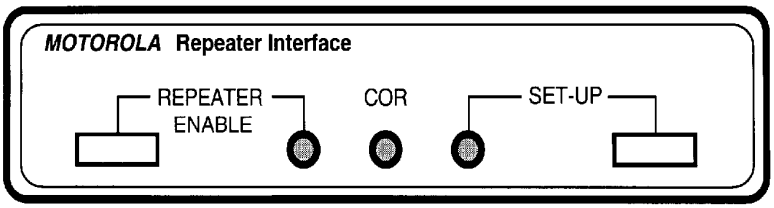
The Repeater Interface Communications Kit Model Includes:

- For use with CDM750, CDM1250 & CDM1550
- Selectable Hang Time
- PL, DPL, CSQ
- Uni-Directional or Bi-Directional Repeater Operation
- Singleband and Crossband Operation
- Transparent Operation
- Remote Repeater Set-Up and Knock Down
- LED Indicators for Repeater Enable, COR and Repeater Set-Up
- Front Panel Control for Repeater Enable and Set-Up
- Interface Box, Mounting Bracket and all required Cables

MODEL	DESCRIPTION	MSRP
HLN3333	Repeater Interface Communications Kit (includes manual)	329.00

General Accessories:		
HKN9019	16 Pin Conductor Cable - same as HKN9969 (3 Ft. long enhanced connectors)	14.44
HKN9969_R	Accessory for Repeater Interface Communications Kit - additional 16 conductor cable (3 Ft. long) for connection to other accessories.	35.50

Manuals:		
6880901Z79-B	R.I.C.K. Service & Programming Manual (most current issue includes MMR-062)	5.67



For technical training of Motorola products, please visit:
https://learning.motorolasolutions.com/

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Date 4/7/14
SUGGESTED RETAIL

BATTERY REVERTING CHARGER FOR USE WITH MOTOROLA MTR2000 BASE STATIONS

These battery reverting charger units charge and maintain the radio battery bank in a float type application. The system provides automatic reverting to a battery bank when main AC power fails and also provides separate charging capability.

BASIC PACKAGE INCLUDES:

- Auto Transfer Circuit
- Low Voltage Disconnect
- Stand Alone Box
- Auto Equalize
- Battery "On" Indicator
- Overvoltage Protection & Indicator
- Float and Automatic Equalize Circuitry
- Output Current Indicator
- Temperature Compensation Capability (optional)
- Charger Failure Indicator
- Rack Mountable

MODEL	DESCRIPTION	MSRP
L1883	Battery Reverting Charger, 14-volt (12-volt nominal) (for 30 Watt, 40 Watt and Receive Only models)	$1,619.00
L1884	Battery Reverting Charger, 28-volt (24-volt nominal) 25-100 Watt	$1,619.00

Options:		
Z691	Cable Interface, Station to Charger	$55.00
Z692	Cable Interface, Battery to Charger	$75.00
Z166	Temperature Sensor	$40.00

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https://learning.motorolasolutions.com/

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SUGGESTED RETAIL

GTR 8000

GTR 8000 ANALOG CONVENTIONAL BASE RADIO

GENERAL INFORMATION

The GTR 8000 Base Radio, orderable model T7039 is a future ready base radio that offers high reliability, future expandability, and excellent coverage. The GTR 8000 Base Radio deployed as an analog conventional repeater can be upgraded to simulcast, digital, trunking and other configurations including P25 TDMA with software upgrades only (no hardware changes). Its high performing analog capabilities enable narrow-banding migrations that maximize audio performance. With its compact design and superior hardware, the GTR 8000 surpasses the bar previously set by QUANTAR.

GENERAL INFORMATION:

High Powered Performance

- 100 ppb frequency stability directly enhances analog audio performance
- Supports optional analog features including sumulcast, repeater access setup/knockdown, scanning receiver, multi-PL, and WildCard with GPIO (General Purpose Inputs/Outputs)
- Optional preselector achieves 95dB spurious and image response rejection to block out transmitters at crowded sites
- Standard -48V battery revert and charging capability eliminates the need for an uninterruptible power supply (UPS) in many installations

Installation & serviceability

- Compact hardware utilizes a 3 rack unit chassis
- Ships factory aligned ready for installation
- Hot Swap hardware enables service and hardware replacement without system down-time
- Software download can be managed while online and fully operational
- All servicing can be performed from the front of the station
- High-reliability fans are rated for 10 years of continuous use, will alarm 7 days prior to failure, decreasing maintenance costs and minimizing downtime

RESOURCES:

- GTR 8000 Base Radio Manual - https://motonline.mot-solutions.com/Member/ContentManagement/resourcecenter.asp
- 6871023P25-A Quick Guide for Replacing a Conventional QUANTAR with a GTR 8000 Base Radio - https://motonline.mot-solutions.com/Member/ContentManagement/resourcecenter.asp

ORDERING REQUIREMENTS:

NOTE: All stations on a Simulcast channel should be of the same station type.

1. Main Model

The following main model must be ordered for a GTR 8000 Base Radio.

T7039A GTR 8000 BASE RADIO

Ordering Note: *Only order a quantity of one of the T7039A per line item. This model number will automatically generate internally added options for all hardware components that are not part of an orderable option (such as cabling).*

2. Frequency Band and Power Level

Enter the Frequency Band option:

CA00855AA ADD : 700/800 MHZ MID POWER

X640AL ADD : UHF R2 MID POWER (435-524)

X530BG ADD : VHF MID POWER (136-174)

X448AA ADD : UHF R1 MID POWER (380-435)

Ordering Note: *One TX and one RX frequency must be specified and will be collected at the main model level. When ordering analog conventional software (option CA01949AA), TX and RX frequencies can be equal when the antenna relay option CA01504AA is ordered.*

700/800 MHz: Frequency Rules for CA00855AA

RX Range: 794.00625 - 824.99375 MHz.

TX Range: 764.00625 - 775.99375 MHz and 851.00625 - 869.99375 MHz

* If Freq (TX) is 764.00625 - 775.99375 MHz, then Freq (Rx) = TX + 30

* If Freq (TX) is 851.00625 - 869.99375 MHz, then Freq (Rx) = TX – 45

* All frequencies must be divisible by 2.5 or 3.125 kHz.

Note: *Currently, 796.09375, 806.88125, 808.31875, and 822.375 are not supported for Rx.*

UHF R2: Frequency Rules for X640AL

RX Range: 435.0000-524.0000 MHz.

TX Range: 435.0000-524.0000 MHz

* If Freq (TX) is 435-524 MHz, then Freq (Rx) ≥ ± .25 MHz TX

* All frequencies must be divisible by 2.5 or 3.125 kHz.

Note: *Currently, 454.500, 474.6375, 494.05625, and 511.3125 are not supported for Rx.*

UHF R1: Frequency Rules for X448AA

RX Range: 380.0000 – 435.0000 MHz.

TX Range: 380.0000 – 435.0000 MHz

* If Freq (TX) is 380-435 MHz, then Freq (Rx) ≥ ± .25 MHz TX

* All frequencies must be divisible by 2.5 or 3.125 kHz.

Note: *Currently, 380.250 and 416.925 MHz are not supported for Rx.*

VHF: Frequency Rules for X530BG

RX Range: 136.0000 – 174.0000 MHz.

TX Range: 136.0000 – 174.0000 MHz

* If Freq (TX) is 136 - 174 MHz, then Freq (Rx) ≥ + .25 MHz TX

* All frequencies must be divisible by 2.5 or 3.125 kHz.

150W High Power 800MHz PA

CA02478AA ADD: 800MHZ 150W HI POWER

- CA02478AA provides high power transmission in the 800MHz frequency. It's compatible with anolog simulcast & non-simulcast.

3. Base Radio Software

CA01949AA ADD: ANALOG CONVENTIONAL SOFTWARE

- CA01949AA provides a circuit analog conventional base radio. This base radio software supports 2wire, 4wire, and 8wire circuit analog wireline links. 16 programmable channel personalities. Each channel personality can be configured for base station, repeater, simplex, or receive only operation. TRC wireline keying is supported, with a full complement of programmable function tones. The CSS (Configuration Service Software) install disc is included with this option.

4. Energy Efficiency Options

CA01953AA ADD : POWER EFFICIENCY PACKAGE

- This optional feature provides hardware and software for reduced power consumption to accommodate needs at sites without grid power or that are driven off alternative energy sources.

* Only available with UHF R2 (X640AL), UHF R1 (X448AA), & VHF (X530BG).

5. Conventional Software System Configuration

Choose the appropriate optional conventional software system configuration if required.

CA01952AA ADD: ANALOG CONVENTIONAL SIMULCAST SOFTWARE

- CA01952AA provides the analog conventional base radio with the Gen Tx Data and E&M keying interface to a DSM channel bank card. The base radio must be provided with a 5MHZ/1PPS composite reference to ensure the timing and signal integrity required for analog simulcast. The GTR 8000 base radio cannot be mixed with QUANTAR analog simulcast stations on the same simulcast channel/frequency.

CA01951AA ADD: ANALOG CONVENTIONAL VOTING SOFTWARE

- CA01951AA supports analog transmit and receive operation when connected to SpectraTAC, DIGITAC, and other TRC comparators in a voting channel configuration.

6. Conventional Features

Choose the appropriate optional system feature options if required.

CA01504AA ADD : ANTENNA RELAY

- CA01504AA required for base stations with a single antenna and allows one antenna to be used for both transmit and receive signals.

CA01503AA ADD : FALL BACK IN CABINET REPEAT- SIMULCAST

- CA01503AA enables the station to continue to receive and transmit when communication with the comparator is lost.

CA01947AA ADD: RECEIVER SCAN OPERATION

- CA01947AA provides the ability to scan for qualified activity on up to 16 receive frequencies. The receive frequencies are assigned in the 16 programmable channel personalities. Scan operation can be suspended and resumed by TRC WildCard progamming.

CA01950AA ADD: CONV MULTI-NAC MULTI-PL

- CA01950AA enables multiple PL tones (analog) or multiple NACs (digital P25 Network Access Codes) to be detected on a single channel. Each of the 16 channel personalities can be configured with a list of PL tones and NACs to use for receiver qualifiers.

CA01954AA ADD: WILDCARD w/GPIO

- CA01954AA provides configurable inputs and outputs with a programmable set of event/action tables for implementing custom base radio interface applications.

CA01955AA ADD: MAIN/STANDBY OPERATION

- CA01955AA provides WildCard programming presets and cabling for a side-by-side base radio main/standby configuration.

7. Peripherals

7.1 Tx Filters and Duplexers: Tx Filters are not compatible with Duplexers. In circuit or IP simulcast configurations the PMU on the TX filters are not functional.

* 700/800 MHz: If the customer frequencies are in the 700 MHz frequency range (Tx: 764.00625 - 775.99375 MHz), the customer must order X182BW or CA00882AA per FCC licensing rules. If the customer frequencies are in the 800 MHz frequency range (Tx: 851.00625 - 869.99375 MHz), the following peripherals are optional.

* UHF (R1 380-435 MHz, R2 435-524 MHz): The following peripherals are optional.

* VHF (136-174 MHz): The following peripherals are optional. TX and RX frequencies must be at least 1.5 MHz apart if peripherals are desired.

X182BW ADD : DUPLEXER, 700 MHZ

- X182BW provides the option of using the same antenna for receive and transmit in the 700 MHz standalone base radio configuration. This option provides the filtering required by the FCC for 700 MHz.

X182BX ADD : DUPLEXER, 800 MHZ

- X182BX provides the option of using the same antenna for receive and transmit in the 800 MHz standalone base radio configuration.

7. Peripherals (continued)

X182BZ ADD : DUPLEXER, UHF 380-512 MHz

- X182BZ provides the option of using the same antenna for receive and transmit in the UHF standalone base radio configuration. If the X182BZ is ordered, X265AP (ADD: NARROW PRESELECTOR, 380-512 MHz) is required. The transmit frequencies must fall within one of the following subbands: 380-403, 403-435, 435-470, 470-494, and 494-512 MHz. Also, above 470 MHz, the Tx and Rx frequency separation should be at least 3.0 MHz for best performance. Below 470 MHz, the Tx and Rx frequency separation should be at least 5.0 MHz for best performance.

X182CC ADD : DUPLEXER 136-146 MHZ

- X182CC provides the option of using the same antenna for receive and transmit in the VHF (136-146 MHz) standalone base radio configuration. If the X182CC is ordered, the X265AN (ADD: NARROW PRESELECTOR, 136-154) is required. The Tx and Rx frequency separation must be at least 1.5 MHz for best performance.

X182CB ADD : DUPLEXER 144-160 MHZ

- X182CB provides the option of using the same antenna for receive and transmit in the VHF (144-160 MHz) standalone base radio configuration. If the X182CB is ordered, the X265AN (ADD: NARROW PRESELECTOR, 136-154) or X265AM (ADD: NARROW PRESELECTOR, 150-174) are required. The Tx and Rx frequency separation must be at least 1.5 MHz for best performance.

X182CA ADD : DUPLEXER 158-174 MHZ

- X182CA provides the option of using the same antenna for receive and transmit in the VHF (158-174 MHz) standalone base radio configuration. If the X182CA is ordered, the X265AM (ADD: NARROW PRESELECTOR, 150-174) is required. The Tx and Rx frequency separation must be at least 1.5 MHz for best performance.

CA00882AA ADD : 700 MHz TX FILTER w/PMU

- CA00882AA provides the TX filtering of up to 12 combined 700 MHz transmitters. The Tx filter can be added after the cavity combiner.

CA00883AA ADD : 800 MHz TX FILTER w/PMU

- CA00883AA provides the required TX filtering of up to 12 combined 800 MHz transmitters. The Tx filter can be added after the cavity combiner.

7.2 Narrow Preselector: The Base Radio Preselector rejects unwanted signals including the transmitter signals from overloading the receiver.

* If TIA102-CAAB Class A spurious response rejection (90 dB) specification is required, the Base Radio Preselector must be ordered. The Narrow Preselector is optional.

* If a Duplexer is to be ordered also, a Narrow Preselector is required for UHF (X448AA or X640AL) or VHF (X530BG) systems.

X265AJ ADD : BASE RADIO PRESELECTOR, 700 MHz

- X265AJ provides RX filtering in the 700 MHz standalone base radio configuration and is attached to the back side of the base radio.

X265AH ADD : BASE RADIO PRESELECTOR, 800 MHz

- X265AH provides RX filtering in the 800 MHz standalone base radio configuration and is attached to the back side of the base radio.

X265AN ADD : BASE RADIO PRESELECTOR, (136 – 154 MHZ)

- X265AN provides RX filtering in the VHF subband 136 - 154 MHz for the standalone base radio configuration and is attached to the back side of the base radio. When ordering this option, the frequency separation between the highest Rx frequency and the lowest Rx frequency can be no more than 4 MHz.

X265AM ADD : BASE RADIO PRESELECTOR, (150 – 174 MHZ)

- X265AM provides RX filtering in the VHF subband 150 – 174 MHz for the standalone base radio configuration and is attached to the back side of the base radio. When ordering this option, the frequency separation between the highest Rx frequency and the lowest Rx frequency can be no more than 4 MHz.

X265AP ADD : BASE RADIO PRESELECTOR, (380 – 512 MHZ)

- X265AP provides RX filtering in the UHF subband 380-512 MHz for the standalone base radio configuration and is attached to the back side of the base radio. When ordering this option, the frequency separation between the highest Rx frequency and the lowest Rx frequency can be no more than 4 MHz.

7.3 Dual Circulator: If an external dual circulator is needed, order quantity one of X676BF, X676BG, X676BJ, X676BI or X676BH based on the frequency of the system.

*** NOTE:** The dual circulator is not compatible when the base radio ordered is using Linear Simulcast Modulation (LSM) in the UHF (X640AL or X448AA) or the VHF frequency band (X530BG).

X676BF ADD : 700/800 MHZ EXTERNAL DUAL CIRCULATOR

- X676BF adds 2 circulators and a low pass filter that are mounted on a 2 rack unit tray for the 700/800 MHz band. Since the power amplifier has one circulator, this option brings the total number of circulators to three.

X676BG ADD : UHF EXTERNAL DUAL CIRCULATOR (380-512 MHZ)

- X676BG adds 2 circulators and a low pass filter that are mounted on a 2 rack unit tray for the UHF band (380 – 524 MHz). Since the power amplifier has one circulator, this option brings the total number of circulators to three. All Tx frequencies must fall within one of the following subbands: 380-403, 403-470, or

X676BJ ADD : EXT DUAL CIRCULATOR, 136 – 146 MHZ

- X676BJ adds 2 circulators and a low pass filter that are mounted on a 2 rack unit tray for the VHF band (136 – 146 MHz). Since the power amplifier has one circulator, this option brings the total number of circulators to three.

X676BI ADD : EXT DUAL CIRCULATOR, 144 – 160 MHZ

- X676BI adds 2 circulators and a low pass filter that are mounted on a 2 rack unit tray for the VHF band (144 – 160 MHz). Since the power amplifier has one circulator, this option brings the total number of circulators to three.

X676BH ADD : EXT DUAL CIRCULATOR, 158 – 174 MHZ

- X676BH adds 2 circulators and a low pass filter that are mounted on a 2 rack unit tray for the VHF band (158 – 174 MHz). Since the power amplifier has one circulator, this option brings the total number of circulators to three.

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SUGGESTED RETAIL

GTR 8000

GTR 8000 ANALOG CONVENTIONAL BASE RADIO

GENERAL INFORMATION

7. Peripherals (continued)

7.4 Optional Conventional Hardware Kits

The following kits provide add-on hardware (including associated cables and fasteners) with installation instructions for specialized Conventional base radio solutions.

CA01958AA ADD: T2-2R RECEIVER MUTE
CA01959AA ADD: T3-3R RECEIVER MUTE
CA01960AA ADD: T4-4R RECEIVER MUTE
CA01961AA ADD: RCVR SOFT NO SPLITTER
CA01957AA ADD: T1-2R W/ TALKAROUND
CA01962AA ADD: T2-2R DUPLEXER & TRPL RELAY

8. Cables

CA01400AA ADD : POWER CABLE, DC

- A 12 foot AC power cable will come standard with the base radio. If a DC power cable is required, order option CA01400AA and a DC cable will be shipped in addition to the AC cable.
- A Battery Temperature Sensor and a 40 foot long cable are included when CA01400AA option is ordered.

CA00975AA ADD : BATTERY TEMPERATURE SENSOR EXTENSION CABLE

- The CA00975AA option offers an extension cable that provides a 50 foot extension. Up to 3 extensions can be ordered.

9. Rack Mount Hardware

Choose rack mount hardware, if required.

X153AW ADD : RACK MOUNT HARDWARE

- X153AW provides rack mount hardware for the base radio as well as any associated optional/peripheral equipment. It should be selected if the base radio will be installed in standard 19-inch relay racks or if it is being installed into an existing Quantar rack.

Model Number	Description	MSRP
	Models:	
T7039	GTR 8000 BASE RADIO	$6,000.00
	Options:	
Frequency Band:		
CA00855AA	ADD: 700/800 MHZ	$6,300.00
X640AL	ADD: UHF R2 (435-524 MHZ)	$6,300.00
X530BG	ADD: VHF (136-174 MHZ)	$6,300.00
X448AA	ADD: UHF R1 (380-435 MHZ)	$6,300.00
150W High Power 800MHz PA		
CA02478AA	ADD: 800MHZ 150W HI POWER	$12,500.00
Base Radio Software:		
CA01949AA	ADD: ANALOG CONVENTIONAL SOFTWARE	N/C
Energy Efficiency :		
CA01953AA	ADD: POWER EFFICIENCY PACKAGE	$500.00
Conventional Software System Configuration:		
CA01952AA	ADD: ANALOG CONVENTIONAL SIMULCAST SOFTWARE	N/C
CA01951AA	ADD: ANALOG CONVENTIONAL VOTING SOFTWARE	N/C
Conventional Features:		
CA01504AA	ADD: ANTENNA RELAY	$350.00
CA01503AA	ADD: FALL BACK IN SIMULCAST CABINET REPEAT	$600.00
CA01947AA	ADD: RECEIVER SCAN OPERATION	$400.00
CA01950AA	ADD: CONVENTIONAL MULTI-NAC MULTI-PL	$500.00
CA01954AA	ADD: WILDCARD W/GPIO	$1,200.00
CA01955AA	ADD: MAIN/STANDBY OPERATION	$450.00
Peripherals:		
X182BW	ADD: DUPLEXER, 700 MHZ	$1,380.00
X182BX	ADD: DUPLEXER, 800 MHZ	$1,380.00
X182BZ	ADD: DUPLEXER, UHF	$1,380.00
X182CC	ADD: DUPLEXER, 136-146 MHZ), THEN TX AND RX MUST BE 136-146	$1,380.00
X182CB	ADD: DUPLEXER, 144-160 MHZ), THEN TX AND RX MUST BE 144-160	$1,380.00
X182CA	ADD: DUPLEXER, 158-174 MHZ	$1,380.00
CA00882AA	ADD: 700 MHZ TX FILTER W/PMU	$1,000.00
CA00883AA	ADD: 800 MHZ TX FILTER W/PMU	$1,000.00
X265AJ	ADD: BASE RADIO PRESELECTOR, 700 MHZ	$500.00
X265AH	ADD: BR PRESELECTOR, 800 MHZ	$500.00

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GTR 8000 ANALOG CONVENTIONAL BASE RADIO

SUGGESTED RETAIL

GENERAL INFORMATION

Model Number	Description	MSRP
Peripherals (continued):		
X265AN	ADD: NARROW PRESELCTOR, 136-154 MHZ	$500.00
X265AM	BR PRESELCTOR, 150-174 MHZ	$500.00
X265AP	ADD: BR PRESELECTOR 380-512 MHZ	$500.00
X676BF	ADD: 700/800 MHZ EXTERNAL DUAL CIRCULATOR	$1,000.00
X676BG	UHF EXTERNAL DUAL CIRCULATOR (435-494 MHZ)	$1,500.00
X676BJ	ADD: EXT DUAL CIRCULATOR, 136-146 MHZ	$1,500.00
X676BI	ADD: EXT DUAL CIRCULATOR, 144-160 MHZ	$1,500.00
X676BH	ADD: EXT DUAL CIRCULATOR, 158-174 MHZ	$1,500.00
Conventional Hardware:		
CA01958AA	T2-2R RECEIVER MUTE	$2,000.00
CA01959AA	T3-3R RECEIVE MUTE	$2,000.00
CA01960AA	T4-4R RECEIVER MUTE	$2,000.00
CA01961AA	RCVR SOFT NO SPLITTER	$400.00
CA01957AA	T1-2R W/TALKAROUND	$1,200.00
CA01962AA	T2-2R DUPLXR &TRPL RELAY	$4,000.00
Cables:		
CA01400AA	ADD: POWER CABLE, DC	N/C
Rack Mount Hardware:		
X153AW	ADD: RACK MOUNT HARDWARE	$50.00

Replacement Parts:

Nomenclature	Description	MSRP
DLN6895	FRU: PA 7/800 MHz	$1,200.00
DLN6896	FRU: PA UHF R2	$2,221.00
DLN6891	FRU: PA UHF R1	$1,200.00
DLN6897	FRU: PA VHF	$2,416.00
DLN6935A	FRU: 150W PA 800MHZ	$12,500.00
DLN6883	FRU: XCVR 7/800 MHZ V2 W/OPT CARD	$4,000.00
DLN6886	FRU: XCVR UHF R2 V2 W/OPTION CARD	$4,000.00
DLN6887	FRU: XCVR UHF R2 V2 PWR EFF OPT CRD	$4,000.00
DLN6889	FRU: XCVR UHF R1 V2 W/OPTION CARD	$4,000.00
DLN6890	FRU: XCVR UHF R1 V2 PWR EFF OPT CRD	$4,000.00
DLN6893	FRU: XCVR VHF V2 W/OPTION CARD	$4,000.00
DLN6781	FRU POWER SUPPLY	$2,200.00
DLN6793	FRU: PWR EFF POWER SUPPLY AC/48VDC	$1,425.00
DLN6795	FRU: T2-2R RECEIVER MUTE	$2,000.00
DLN6796	FRU: T3-3R RECEIVE MUTE	$2,000.00
DLN6797	FRU: T4-4R RECEIVER MUTE	$2,000.00
DLN6798	FRU: RCVR SOFT NO SPLITTER	$400.00
DLN6799	FRU: T1-2R W/TALKAROUND	$1,200.00
DLN6800	FRU: T2-2R DUPLXR &TRPL RELAY	$4,000.00
DLN6821	FRU: GTR ANALOG 4W E&M SIMULCST KIT	$250.00
DLN6898	FRU: FAN MODULE	$206.00
DLN6455	CONFIGURATION/SERVICE SOFTWARE	$25.00

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SUGGESTED RETAIL

MTR3000 SATELLITE RECEIVER
VHF & UHF, 800/900 MHz
MODELS & OPTIONS

GENERAL INFORMATION:

- MTR3000 Satellite Receiver operates in Analog Conventional operation only
- MTR3000 Satellite Receiver can also be used as Digital Voting Satellite Receiver
- RoHS (Restriction of Hazardous Substances) Compliant
- Come standard with a basic install/ service and user manual
- Come standard with a wireline board
- Switching power supply functions for over a wide range of voltages and frequencies
- NEW IMPROVED WARRANTY - TWO Year Motorola Standard Warranty

**Please refer to Motorola Online Resource Center for further product level information and technical configuration/Ordering requirements
MTR3000 Base Station/Repeater/ Satellite Receiver Product Planner & Sales Ordering Guide

ORDERING REQUIREMENTS:

1. Order a quantity of one T7713A per line item.
2. You must enter the exact customer frequencies at the time order is placed. Frequency selection option also mandatory
3. Customer Programming Software (CPS) is required to program.
4. Preselector is optional for the MTR3000 Satellite Receiver - Refer to the Product Planner/Sales Ordering Guide for Further rules.
5. AC cable comes standard. The DC cable is optional.

DUE TO THE COMPLEX NATURE OF CERTAIN ORDERABLE OPTION CONFIGURATIONS WE STRONGLY RECOMMEND REVIEW OF THE PRODUCT PLANNER AND SALES & ORDERING GUIDE

MODEL	DESCRIPTION	MSRP
T7713	MTR3000 RECEIVER	$1,400.00

MODEL	DESCRIPTION	MSRP
• **SELECT FREQUENCY OPTION:**		
XA00045AA	ADD: UHF (403-470 MHz)	$3,400.00
XA00046AA	ADD: UHF (470-524MHz)	$3,400.00
XA00047AA	ADD: VHF (136-174MHZ)	$3,400.00
XA00048AA	ADD: 800MHz (806-870)	$3,600.00
XA00049AA	ADD: 900MHz (896-941)	$3,600.00

MODEL	DESCRIPTION	MSRP
Software:		
RVN5115	Portable, Mobile, and Repeater Customer Programming Software (CPS) Package - Software package includes CPS, Air Tracer, Tuner, Repeater Diagnostic Control, and the MOTOTRBO System Planner. 3 Year Subscription Package Software is compatible with Windows XP & Windows Vista (Home and Professional versions) and Windows 7; support for Windows 2000 ended 6/30/09. ***Note: Software requires a license agreement and is not intended for resale.***	$265.00
DDN9957	HI-SPEED USB CABLE 6FT (TYPE A -B)	$20.00
Power Cable:		
CA01520AA	ADD: POWER CABLE, DC	$25.00
Misc:		
X269AC	ENH: SPECTRA TAC	$150.00
X699BA	ADD: MTR3000 FACTORY TEST REPORT	N/C
Peripherals:		
X265UL	ADD: PRESELECTOR, UHF (380-435 MHZ)	$500.00
X265UM	ADD: PRESELECTOR, UHF (435-470 MHZ)	$500.00
X265UH	ADD: PRESELECTOR, UHF (470-524 MHZ)	$500.00
X265VL	ADD: PRESELECTOR, VHF (136- 154 MHZ)	$500.00
X265VH	ADD: PRESELECTOR, VHF (150-174MHZ)	$500.00

Kits\ & Accessories: MTR3000 Field Replaceable Units (FRUs)

All Field Replacement Units (FRUs) are available through Customer Care and Service Division (RPSD) 1-800-927-2744.

FRU MTR3000 Satellite Receivers:		
DLN6776	FRU: MTR3000 RECEIVER EXCITER FRU	$100.00
DLN6777	FRU: MTR3000 RECEIVER PA FRU	$100.00
SPEAKERS/TEST CABLE:		
HSN1006	EXTERNAL SPEAKER	$104.00
0185180U01	CABLE FOR EXTERNAL SPEAKER	$18.25
30009493001	RECEIVER AUDIO TEST CABLE	$65.25

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Date 5/7/14

SUGGESTED RETAIL

TRUNKED SYSTEM
LTR® & PASSPORT® PROTOCOL

The following system price pages primarily focuses on two trunking protocols called LTR® and PassPort®. Trunking allows a large number of users to share a small number of communication paths without interfering with each other, thus maximizing the airtime available to any one radio.

Logic Trunked Radio (LTR®)
A low-speed transmission trunking-based protocol developed by EF Johnson.
LTR primarily serves single site trunked applications and is supported by many radio manufacturers.

This trunked system section will be discontinued on June 2nd.

PassPort®
An enhanced low-speed trunking protocol developed by Trident Micro Systems. It supports private, SMR wide area dispatch and interconnect networking. It is compatible with existing LTR radio system. PassPort also extends benefits of LTR with more features, coverage and services.

Assembled Trunking Systems:

The Motorola Assembled Trunking System (ATS) offers businesses a unique opportunity to capitalize on the advantages of trunking. By providing a "one-stop-shop" solution, the Assembled Trunking System helps save companies the time and expense of having to research multiple vendors and products to build a personalized system. In addition, Motorola delivers all the expertise and equipment required to create a fully functioning, integrated two-way radio trunked network - quickly and easily.

Below are listed different packages according to the type of equipment and frequency needed.

For pricing and ordering information, call Motorola Presales Customer Support at 800-422-4210, ext. 6883 or download a quote form on Motorola Online > Resource Center > Product Information > Trunking System Solution.

Assembled Trunking Systems (ATS) - Subscriber Bundle Program:

- Save up to 3% over your existing quantity discount on a quantity of 30 subscribers or more purchased with an ATS system
- Rules and regulations apply. See details on MOL Motorola Online > Resource Center > Product Information > Systems > Trunking Solutions
- Note: The Assembled Trunking System Package Order Form has to be used to place your order. This form can be downloaded under Motorola Online > Resource Center > Product Information > Systems > Trunking Solutions

Assembled Trunking Systems (ATS) - LTR Protocol Infrastructure Packages:

Notes:

- Pricing is based on volume discount.
- Price quotations will be provided after receipt of required customer information.
- Price quotations are valid for 30 days.

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SUGGESTED RETAIL

TRUNKED SYSTEM
LTR® & PASSPORT® PROTOCOL

Assembled Trunking Systems - Sold Services:

Notes:

- For pricing information, contact Motorola Presales Customer Support at 800-422-4210, ext. 6883
- Price quotations will be provided after receipt of required customer information

This trunked system section will be discontinued on June 2nd.

Individual Area Coverage Map

A computer generated full color radio coverage map in both paper and PDF format. This coverage map shows the predicted RF levels based upon mathematical models, computer terrain data, land usage data and site data from the client or field visit.

Composite Area Coverage Map

A computer generated full color radio coverage map in both paper and PDF format showing the composite coverage form multiple individual sites.

Intermodulation Study

Calculation of intermodulation products up to the 11th order, 5 transmitter at a time. The result includes a summary of the hits at each order and a detailed list of frequencies where the hits occurred.

Pre-Sale RF Analysis (220 / 700 MHz Required)

Where Pre-Sales design is not performed by Motorola, the purchaser is required to have an RF analysis performed. This service includes the following: Frequency Plan, Coverage Maps, Intermodulation

Complete Pre-Sale Design

A complete system design based upon desired coverage area. The final deliverable form an engineering report that includes the following: Recommended Sites, Frequency Plan, Coverage Maps, Contour Maps, System Block Diagrams, Intermodulation Analysis.

Site Survey

A form is completed detailing all aspects of the site including power, grounding , tower type, access, etc. This site survey form then used in a system design phase to ensure the proper equipment is ordered. Acceptability of the site is also based on an RF survey.

Factory Staging and Optimization

This service includes the factory staging, programming and testing of the radio equipment, programming all NTS controllers and performing a factory acceptance test. Once the factory acceptance has been completed, the system is shipped to the site.

Post-Sale Field Optimization

The Field Optimization of the Motorola PassPort system is performed according to Motorola's Field Optimization Practices documentation. It includes: Inspection of all PassPort Equipment, Testing all Telco lines, Verification of system configuration, System Performance Testing, Baseline testing of installed system, Field Functional Acceptance testing, Field RSSI optimization testing.

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SUGGESTED RETAIL

TRUNKED SYSTEM
LTR® & PASSPORT® PROTOCOL

The Raider and Marauder are LTR Trunking Controllers, which offer high performance.

This trunked system section will be discontinued on June 2nd.

Raider Features:

- VHF, 200 MHz, UHF, 700 MHz, 800 MHz & 900 MHz
- LTR® Trunking Logic Controller
- CTCSS / DCS Capability
- Repeater Disable Function for Co-Channel Protection
- Easy Interface & Set-Up with Most Repeaters
- Allows Conventional & Trunking Users to Share Channels

Marauder Features:

- VHF, UHF, 200 MHz, 700 MHz, 800 MHz & 900 MHz
- LTR® Trunking Logic Controller
- Telephone Interconnect
- 2 Wire or 4 Wire E & M Capability
- Audio Companding
- Dial Click (Encode/Decode)
- CTCSS / DCS Capability
- "Smart" Repeater Disable Function for Co-Channel Protection
- Dispatch Networking

MODEL NUMBER	DESCRIPTION	VENDOR PART #	MSRP
RLN4684	Raider Trunking Logic Controller - offers CTCSS/DCS and Trident's exclusive Repeater Disable Device, which provides interference protection for co-channel user. (Price does not reflect the quantity discount)	TMS 850-001	$1,300.00
RLN4685	Marauder - Telephone Interconnect, 2-wire and 4-wire E/M capability, Audio Commanding, Dial Click Encode/Decode, CTCSS/DCS Capability, "Smart" Repeater Disable Function for co-channel Protection and Dispatch Networking. (Price does not reflect the quantity discount)	TMS 850-002	$2,495.00
Non - NTS Cables:			
3080384F71	Raider / Marauder / Xtreme / Xtend Universal Repeater Cable	TMS 500-464	$100.00
RDN9867	Raider / Marauder / Xtreme / Xtend to MX800 Repeater Cable	TMS 500-512	$200.00
RDN9692	Raider / Marauder / Xtreme / Xtend 3' T-Net Data Bus Cable, 4-Pack	TMS 500-467	$40.00
RRDN7120	Raider / Marauder / Xtreme / Xtend to MTR2000 Repeater Cable	TMS 500-486	$279.00
RRDN7644	Raider / Marauder / Xtreme / Xtend to MTR3000 Repeater Cable	TMS 500-608	$201.00
RDN5553	Raider / Marauder / Xtreme / Xtend to Quantar Repeater Cable	TMS 500-495	$230.00
RDN5554	Raider / Marauder / Xtreme / Xtend to Quantar Limited Repeater Cable	TMS 500-496	$230.00
3080384F66	Cable Controller / Controller (Single data bus - 3 Ft.)	TMS 500-514	$19.00
3080384F67	Cable Controller / Controller (Single data bus - 7 Ft.)	TMS 500-515	$26.00
Non - NTS Manuals and Software:			
RDN7715	Raider Manual & Software Package	TMS 600-497	$125.00
RDN7717	Marauder Manual & Software Package	TMS 600-498	$130.00
6880309R81	Raider Xtreme Manual	TMS 600-505	$151.52

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SUGGESTED RETAIL

TRUNKED SYSTEM
LTR® & PASSPORT® PROTOCOL

PassPort protocol can serve different markets, from a single to a multi site coverage. As such, different products can serve different needs.

Raider Xtreme Features (Single Site PassPort):

- Delivers Power of PassPort Trunking Protocol in a Single-Site Controller Package
- Automatic Radio Registration / Deregistration
- Radio Stun & Kill Capability
- Selective Call (optional)
- Airtime Logging
- Easy Installation
- Not available in VHF
- Not upgradeable to NTS (multi-site PassPort)

This trunked system section will be discontinued on June 2nd.

Network Trunking System (NTS®) Features (Single / Multiple Site PassPort):

- Unique Distributed Network Architecture
- Scalable to Any Size System & Network
- Supports PassPort & LTR Trunking
- Supports VHF, UHF, 200 MHz, 700 MHz, 800 MHz & 900 MHz
- Multiple HSIDs Per Site

NTS Xtend (Multiple Site PassPort)

- Provides additional sites to a network without installing a NTS at every site in the network
- Comprises three individual components:
  NTS Xtend Card, NTS Xtend Link Controller, NTS Xtend Trunking Controller
- Each NTS Xtend connects to its host NTS through versatile connectivity options
- Each NTS Xtend site may accommodate up to three total RF channels

MODEL NUMBER	DESCRIPTION	VENDOR PART #	MSRP
Single Site - Raider Xtreme: Not available in VHF			
RRDN4594	Raider Xtreme PassPort Logic Controller without Selective Call	TMS 850-004	$2,365.00
RRDN4595	Raider Xtreme Upgrade (not included freight, handling or rental controllers if required)	TMS 250-127	$1,133.00
RRDN4709	Raider Xtreme Selective Call option	TMS 250-126	$515.00
Single / Multiple Site - Network Trunking System (NTS®):			
RDN4624	NTS Firmware Data Card	TMS 330-001	$386.00
RDN4625	NTS Accounting Data Card	TMS 330-002	$386.00
RRDN4983	DC Chassis with Power Supply Terminated (ONE ORDER PER CHASSIS)	TMS 700-628	$3,815.00

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SUGGESTED RETAIL

TRUNKED SYSTEM

LTR® & PASSPORT® PROTOCOL

MODEL NUMBER	DESCRIPTION	VENDOR PART #	MSRP
Single / Multiple Site - Network Trunking System (NTS®):			
RRDN5999	Master Card II	TMS 700-636	$5,950.00
RDN9932	NTS Digital Console Card	TMS 700-616	$25,882.50
RRDN6816	NTS Digital Console Card (Avtec, et al)	TMS 700-641	$25,882.50
RDN4635	Dual Channel Card (one required version 1.6 for every two channels)	TMS 700-601	$10,990.00
RDN4640	Dual T-1 Card	TMS 700-606	$7,140.00
RDN4636	Dual Telco Card	TMS 700-602	$3,080.00
RDN4639	Clock Module (Master or Slave)	TMS 700-605	$868.00
RDN4642	Expansion Clock Module	TMS 700-614	$868.00
RDN9854	Tuff Modem Plus Package	TMS 300-241	$1,130.00
RDN7737	NTS Dual Console Interface Card	TMS 700-615	$2,520.00
RDN4623	NTS Air Filter Kit, 5-Pack	TMS 277-615	$68.00
RDN4622	NTS Filler Blank Plates	TMS 277-614	$28.00
RRDN4897	NTS Telco Card with -48 volts	TMS 700-632	$4,800.00
RRDN7587	PassPort FP - AC (Box Promo)	TMS 700-658	$50,000.00
RRDN7584	PassPort FP - DC (Box Promo)	TMS 700-653	$50,000.00
Card Upgrade Promotion:			
RRDN6638	QSP Master Card II Upgrade	TMS 700-634	$1,995.00

This trunked system section will be discontinued on June 2nd.

Terms and Conditions of Data Upgrade Promotion:

1. Must have a valid QSP (Quality Support Plan) subscription to participate in this promotion.
2. Within 30 days from the Trident's shipment of the Card to dealer, dealer must return the original Card to Trident.
3. If Trident does not receive the original Card from the dealer within 30 days from shipment the dealer's account will be charged for the difference of a new Card and the price of the upgrade.
4. Trident will contact the dealer to obtain the serial number information of the original Card and will issue a RMA # for the dealer to send back this Card under. Trident will send a return shipping label and return instructions to the dealer enclosed with the new Card for the customer to follow to ship back the orginal Card.

Multiple Site - NTS Xtend ***Note: NTS Xtend requires a host NTS site, which can accommodate up to two NTS Xtend sites.***			
RRDN4689	Xtend Card	TMS 700-625	$3,244.50
RRDN4690	Xtend Trunking Controller	TMS 700-626	$3,535.00
RRDN4688	Xtend Link Controller	TMS 700-624	$3,027.50
RRDN5355	Tuff Modem Plus DC Power Assembly	TMS 500-506	$85.00

NTS Options:			
RDN9400	NTS Selective Call Option (per site)	TMS 250-107	$5,760.00
RDN9401	NTS Intra-Site Networking Option (per site)	TMS 250-108	$4,960.00
RDN9852	NTS VHF Option (per site)	TMS 250-109	$1,680.00
RRDN4357	NTS Network Interconnect Option (per site)	TMS 250-119	$6,600.00
RRDN4959	NTS Access Privileges by MIN (per site)	TMS 250-129	$2,880.00
RRDN4960	NTS Conventional Networking (per site)	TMS 250-139	$1,240.00
RRDN4978	NTS HSID (Additional)	TMS 250-112	$1,650.00
RRDN6004	NTS 4.0 Enhanced Priority Access Option (per site)*	TMS 250-143	$5,600.00
RRDN6005	NTS 4.0 Enhanced Emergency Declaration Option (per site)*	TMS 250-144	$3,200.00
RRDN6006	NTS 4.0 Enhanced Channel Backup Option (per site)*	TMS 250-145	$2,800.00
RRDN7224	NTS Site Runner Card	TMS 700-638	$9,450.00
RRDN7222	NTS Site Runner Option	TMS 250-146	$5,810.00
RRDN7223	NTS Site Runner Software License (includes server and 1 client)	TMS 900-685	$6,300.00
RRDN7225	Additional Site Runner Client	TMS 900-691	$1,400.00

*Requires NTS 4.0 Enhanced Systems Infrastructure and Subscribers. Please see the " System Migration Guide for PassPort 4.0" for more details on MOL under Resource Center > Product Information > Systems >Trunking Solutions > Systems Technical Documents.

Quality Support Program (QSP)

The Quality Support Program is a Trident program that is offered through Motorola. This 2-year program covers NTS related products and entitles subscribers to receive free NTS upgrades and NTS options at a discounted price for the duration of the subscription. To sign up for this program, call Motorola Presale Customer Support at 800-422-4210 ext. 6883 or download a QSP order form on Motorola Online> Resource Center> Product Information> Trunking System Solution.

QSP Subscription:			
RRDN4902	QSP NTS 2 Year Registration Fee	TMS 999-931	$500.00
RRDN4903	QSP NTS Subscription (1-10 sites) - requires RRDN4902	TMS 999-932	$350.00
RRDN4904	QSP NTS Subscription (11 or more sites) - requires RRDN4902	TMS 999-933	$250.00
RRDN5353	QSP NTS Xtend Subscription (1-10 sites) - requires RRDN4902	TMS 999-942	$100.00

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SUGGESTED RETAIL

TRUNKED SYSTEM
PASSPORT® ACCESSORIES

MODEL NUMBER	DESCRIPTION	VENDOR PART #	MSRP
QSP NTS Options:	**(must have QSP subscription to order)**		
RRDN4905	NTS Selective Call Option (per site)	TMS 250-130	$2,880.00
RRDN4906	NTS Intra-Site Networking Option (per site)	TMS 250-133	$2,480.00
RRDN4907	NTS VHF Option (per site)	TMS 250-134	$840.00
RRDN4908	Network Commander Option (per site)	TMS 250-131	$880.00
RRDN4909	Network Interconnect Option Suite (per site)	TMS 250-132	$3,300.00
RRDN4910	NTS HSID (Additional)	TMS 250-135	$825.00
RRDN4911	NTS Access Privileges by MIN (per site)	TMS 250-136	$1,440.00
RRDN4977	NTS Conventional Networking (per site)	TMS 250-140	$620.00
RRDN6801	QSP NTS Priority Access Option (per site)	TMS 250-155	$2,800.00
RRDN6802	QSP NTS Emergency Declaration Option (per site)	TMS 250-156	$1,600.00
RRDN6803	QSP NTS Channel Backup Option (per site)	TMS 250-157	$1,400.00
NTS Cables:			
RDN4632	NTS Dual Repeater Cable (25 Ft.)	TMS 500-480	$230.00
RDN4633	NTS Service Port Cable (15 Ft.)	TMS 500-483	$123.00
RDN4629	NTS Modem Cable (6 Ft.)	TMS 500-421	$39.00
RDN4630	NTS Data Bus Cable	TMS 500-435	$380.00
RDN4626	NTS Universal Repeater Cable	TMS 500-303	$100.00
RRDN5022	NTS AC Power Cable	TMS 500-513	$31.00
RDN4627	NTS to MTR2000 Repeater Cable	TMS 500-308	$277.00
RDN9805	NTS to MX800 Repeater Cable	TMS 500-510	$283.00
RDN4628	NTS to GR1225 Repeater Cable	TMS 500-311	$200.00
RDN7748	NTS to Quantar Repeater Cable	TMS 500-494	$230.00
RDN7731	NTS to Quantar Limited Repeater Cable	TMS 500-499	$230.00
RRDN6581	NTS Dual Repeater Cable with Alarm	TMS 500- 531	$266.00
RRDN6580	NTS to MTR2000 Repeater Cable with Alarm	TMS 500- 530	$289.00
RRDN6799	NTS to Quantar Repeater Cable with Alarm	TMS 500-553	$245.00
RRDN6800	NTS to MX800 Repeater Cable with Alarm	TMS 500-554	$298.00
RRDN7243	NTS to TRBO Repeater Cable	TMS 500-577	$280.00
RRDN7242	Raider to TRBO Repeater	TMS 500-578	$260.00
RRDN7257	Marauder to TRBO Repeater Cable	TMS 500-582	$322.00
RRDN7256	Xtend to TRBO Repeater Cable	TMS 500-584	$280.00
RRDN7255	Xtreme to TRBO Repeater Cable	TMS 500-585	$260.00
Manuals and Software:			
RRDN4229	NTS Network Commander	TMS 250-115	$1,760.00
RRDN4693	NTS Power Supply	TMS 277-616	$1,467.00
RRDN7274	NTS Commander Communications Software CD Ver. 4.2	TMS 900-692	$4,130.00
RRDN7262	NTS Installation and Operation Manual ver 4.2 (printed)	TMS 600-517	$350.00
RRDN5358	NTS 2.8 Manual	TMS 600-508	$350.00
RRDN5359	NTS 2.8 Commander CD	TMS 900-684	$4,130.00
RRDN6666	NTS 4.0 Commander CD	TMS 900-687	$4,130.00
RRDN6667	NTS 4.0 Manual	TMS 600-510	$350.00

This trunked system section will be discontinued on June 2nd.

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SUGGESTED RETAIL

TRUNKED SYSTEM

AVL® ON PASSPORT® NTS ACCESSORIES

The Trident AVL Solution on the NTS network provides GPS vehicle position, speed, and direction of travel for each data capable unit throughout network.

In order to set up a PassPort NTS system with AVL:

* Master Card II is required at every site within your network
* One Dual Channel Card version 1.7 or higher is required for every two voice/data channels
* One NTS Data Card is required per network
* One NTS Data Option is required per data enabled NTS site
* One AVL kit per data mobile is required
* One AVL kit programming cable is required (PRAM)
* TrAVL Server Software with Mapping or TrAVL Web Hosting Service is available for a vehicle tracking display

This trunked system section will be discontinued on June 2nd.

Please contact the site equipment team @ 800-927-2744 ext 6883 for more details or MOL under Resource Center > Product Information > Systems > Trunking Solutions

MODEL NUMBER	DESCRIPTION	VENDOR PART #	MSRP
RRDN6911	NTS Network Data card (1 required per network)	TMS 720-001	$5,755.40
RRDN6912	NTS Data Option (required per NTS)	TMS 250-151	N/C
Data Upgrade Promotion:			
RRDN6638	QSP Master Card II Upgrade	TMS 700-634	$1,995.00
RRDN6913	Upgrade Dual Channel Card to version 1.7	TMS 700-644	$3,995.00

Terms and Conditions of Data Upgrade Promotion:

1. Must have a valid QSP (Quality Support Plan) subscription to participate in this promotion.

2. Within 30 days from Trident's shipment of the Card to dealer, dealer must return the original Card to Trident.

3. If Trident does not receive the original Card from the dealer within 30 days from shipment the dealer's account will be charged for the difference of a new Card and the price of the upgrade.

4. Trident will contact the dealer to obtain the serial number information of the original Card and will issue a RMA # for the dealer to send back this Card under. Trident will send a return shipping label and return instructions to the dealer enclosed with the new Card for the customer to follow to ship back the orginal Card.

Software Options:			
RRDN6965	TrAVL Raw Location Data Option (per unit, per year)	TMS 720-010	$28.00
RRDN6991	Customized Trident Web Hosting of TrAVL Vehicle Tracking Application banner (set-up fee)	TMS 720-020	$707.00
RRDN6992	Customized Trident Web Hosting of TrAVL Vehicle Tracking Application banner (per year fee)	TMS 720-021	$471.00

* See accessory section of mobile price pages for additional software and AVL kit details

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SUGGESTED RETAIL

TRUNKED SYSTEM

AVL® ON CONVENTIONAL ACCESSORIES

The Tridents AVL Solution on the Conventional system provides GPS vehicle position, speed, and direction of travel for each data capable unit throughout the system.

This trunked system section will be discontinued on June 2nd.

In order to set up a Conventional system with AVL:

* One Raider II Controller is required per data channel
* One AVL kit per data mobile is required
* One AVL kit programming cable is required (PRAM)
* TrAVL Server Software with Mapping or TrAVL Web Hosting Service is Available for vehicle tracking display

Please contact the site equipment team @ 800-927-2744 ext 6883 for more details or MOL under Resource Center > Product Information > Systems > Trunking Solutions

MODEL NUMBER	DESCRIPTION	VENDOR PART #	MSRP
RRDN6915	Raider II (Conventional Data Controller)	TMS 850-007	$6,000
RRDN6961	Raider to Raider II Upgrade	TMS 250-160	$4,800
Software Options:			
RRDN6965	TrAVL Raw Location Data Option (per unit, per year)	TMS 720-010	$28.00
RRDN6991	Customized Trident Web Hosting of TrAVL Vehicle Tracking Application banner (set-up fee)	TMS 720-020	$707.00
RRDN6992	Customized Trident Web Hosting of TrAVL Vehicle Tracking Application banner (per year fee)	TMS 720-021	$471.00

* See accessory section of mobile price pages for additional software and AVL kit details

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SUGGESTED RETAIL

TRUNKED SYSTEM

AVL® ON PASSPORT® RAIDER II XTREME ACCESSORIES

The Trident AVL Solution on the Raider II Xtreme system provides GPS vehicle position, speed, **and direction of travel for each data capable unit throughout the system.**

This trunked system section will be discontinued on June 2nd.

In order to set up a Raider II Xtreme system with AVL:

* One Raider II Xtreme Controller is required per data channel
* One AVL kit per data mobile is required
* One AVL kit programming cable is required (PRAM)
* TrAVL Server Software with Mapping or TrAVL Web Hosting Service is available for vehicle tracking display

Please contact the site equipment team @ 800-927-2744 ext 6883 for more details or MOL under Resource Center > Product Information > Systems > Trunking Solutions

MODEL NUMBER	DESCRIPTION	VENDOR PART #	MSRP
RRDN6914	Raider II Xtreme (Data Controller)	TMS 850-008	$7,000.00
RRDN6962	Raider Xtreme to Raider II Xtreme Upgrade	TMS 250-161	$4,889.00
Software Options:			
RRDN6965	TrAVL Raw Location Data Option (per unit, per year)	TMS 720-010	$28.00
RRDN6991	Customized Trident Web Hosting of TrAVL Vehicle Tracking Application banner (set-up fee)	TMS 720-020	$707.00
RRDN6992	Customized Trident Web Hosting of TrAVL Vehicle Tracking Application banner (per year fee)	TMS 720-021	$471.00

* See accessory section of mobile price pages for additional software and AVL kit details

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SUGGESTED RETAIL

VXR-7000 DESKTOP REPEATER
VERTEX STANDARD
VHF & UHF

VXR-7000 Desktop Repeater Features:
- 12.5/25 kHz Switchable Channel Spacing
- 16 Channels
- Output Power 10~50 Watts Adjustable
- Programmable Busy Channel Lock Out
- Programmable Busy Timer Lock Out
- CWID
- CTCSS / DCS Codes
- Automatic DC Power Supply Back Up
- 100% Continuous Duty Cycle

The available channel stepping frequency ranges for the VXR-7000 are 2.5kHz, 5kHz, 6.25kHz, 10kHz, and 12.5kHz

Repeater Package Items

Untuned duplexers for the VXR-7000 are available.
The duplexers must be order separately.
The desktop microphone must be ordered separately.
Repeater CPS is downloadable from MOL.

Warranty Policy

Repeater warranty is 3 Years. For warranty repair, repeater must be sent to Vertex Standard directly. Please contact Vertex Standard at 1-800-2Vertex. Vertex Accessory warranty is 1 year. For warranty, please contact Motorola Customer Service at 1-800-927-2744 for a warranty replacement order.

Service Repair Policy

VXR-7000 repeaters are supported by Motorola's 45 Day DOA Policy. For 45 day DOA radios, please contact Motorola's Customer Service at 1-800-927-2744. After 45 days, please contact Vertex Standard directly for all repair services at 1-800-2Vertex for the required repair request form. All service charges will require credit card payment.

Return Policy

These products are supported by the Motorola Return Policy. All product must be returned with factory box, packing materials, owner's manual & warranty cards. Contact Motorola Customer Service at 1-800-927-2744 for return

Post Sales Support

For post-sales technical inquiries and support needs, please contact Vertex Standard directly at 1-800-2Vertex.

MODEL	DESCRIPTION		MSRP
Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE FOR STEP 1			
		STEP 1:	
Select One (1) of the following Desktop Repeater Models			
A13670010	VXR-7000VC PKG-1; 50W 150-174 Mhz, 16 Ch		$1,650.00
A13680014	VXR-7000UD PKG-1; 50W 450-480 Mhz, 16 Ch		$1,650.00
		STEP 2:	
Select microphone option:			
AAF13X001	MD-12A8J Mobile Desktop Microphone		$102.00
		STEP 3:	**(Optional)**
All duplexers have female type "N" connectors.			
Select One (1) Untuned Duplexer			
XUFIP0002	Untuned VHF Duplexer for VXR-7000, 148-160 MHz		$410.00
XUFIP0001	Untuned UHF Duplexer for VXR-7000, 440-480 MHz		$410.00
		STEP 4:	**(Optional/Required - See Below)**
Select cable option if duplexer was ordered above.			
AAA21X001	CT-68 Duplexer Installation Cable Kit		$63.00

MODEL	DESCRIPTION	MSRP
General Accessories:		
AAF13X001	MD-12A8J Mobile Desktop Microphone	$102.00
AAA21X001	CT-68 Duplexer Installation Cable Kit	$63.00
XUFIP0002	Untuned VHF Duplexer for VXR-7000, 148-160 MHz	$410.00
XUFIP0001	Untuned UHF Duplexer for VXR-7000, 440-480 MHz	$410.00
A06420002	VPL-1 Programming Cable	$87.00

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SUGGESTED RETAIL

GR1225™/GR500 X-PAND/ RKR1225™/100 WATT ACCESSORIES

MODEL NUMBER	DESCRIPTION	MSRP
Miscellaneous Accessories:		
4280393A44	4" Long Black Cable Ties, 100 pack	$2.20
4280393A46	8" Long Black Cable Ties, 100 pack	$4.45
Duplexers:		
HFD8189	VHF Duplexer, 155-162 MHz (minimum & maximum freq. separation 4.5 MHz/6 MHz)	$486.00
HKN9016	GR400 & GR500 External Duplexer & Antenna Cable - Required when using separate transmit and receive antennas or duplexers that do not fit into GR400 & GR500 housings.	$48.50
HKN9026	GR1225 External Duplexer & Antenna Cable - Required when using separate transmit and receive antennas or duplexers that do not fit into GR1225 housings.	$81.75
HFD8188	VHF Duplexer, 144-155 MHz (minimum & maximum freq. separation 4.5 MHz/6 MHz)	$433.00
HFE8400	UHF Duplexer, 406-450 MHz (minimum & maximum freq. separation 5 MHz)	$390.00
Duplexers and Controller Cables:		
HKN9034	External Duplexer cables for RKR1225	$55.25
HKN9035	Internal Duplexer cables for RKR1225	$55.25
HKN9040	RKR1225 Internal Controller Cable	$125.00
HKN9234	Controller Cable Kit	$67.75
HKN9235	GR1225 Internal Duplexer & Antenna Cable Kit (required when using an internal duplexer)	$42.75
Repeater Controller:		
HLN8388	**ZR310 Multiple Tone Community Repeater Controller -** Provides up to 50 PL and 20 DPL single code or cross code combinations for multiple group repeater operations, remote knock-down / set-up, uni/bi-directional capabilities and continuous wave identification. (Requires controller cable kit (HKN9234)).	$801.00

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SUGGESTED RETAIL

MC1000™, MC2000™ & MC2500™
DESKTOP CONTROLLERS
Models

All MC1000, MC2000 and MC2500 Models Include:
- 4 Frequency Station Control
- Push-to-Talk Handset
- 2 or 4 Wire
- LOTL/LOBL
- Black Color
- Volume Control / Transmit LED
- Monitor Switch
- 120V AC - 60 Hz Power Supply
- Supervisory Takeover or Line Select
- Operator Cross Mute
- Intercom
- LTR® Compatible
- Service Manual
- One Year Warranty

The MC2000 is going EOL with a last order date of September 30, 2014.

MC2500 Only Additional Features:
- 4 Base Station Control - Capable of controlling 4 Tone channels or 3 Tone channels and 1 DC channel.
- Also capable of E & M control on all channels. Use of a Tone or DC Remote Adapter is required when connected to a mobile in a tray.
- Connector for Unselect Speaker
- Individual Volume Control
- Dedicated Logging Recorder Output
- Radio Patch
- Multi-Select
- Multi-Tasking
- All Mute

MC2000/MC2500 Additional Features:
- 18 Programmable Buttons
- 2 Line x 20 Character Backlit Display
- Multi-Frequency Capability - up to 16 frequencies on Tone
- 110V/220V AC - 50/60 Hz Power Supply
- MDC Features:
  - PTT Unit ID (Encode/Decode)
  - Voice Selective Call (Encode/Decode)
  - Call Alert/Short Call Alert (Encode/Decode)
  - Status Message (Decode)
  - Radio Enable/Disable (Encode)
  - Radio Check (Encode)
  - Emergency Alarm (Decode)
- Recent User Stack - Last nine records are stored for review at any time.
- RS232 Port - Allows RSS programming via computer or the logging of MDC1200 inbound/ outbound Serial Printer Port activity for permanent record keeping on a serial printer.
- Paging Encode '- Allows you to selectively call a pager, portable, or mobile unit and eliminate the need to purchase a stand alone encoder. The following schemes are supported: QC II, 2 Tone, 5 Tone, 6 Tone, Digital Dial, Reach 1+1, GE 99, NEC 5 & 6, DTMF or Custom A and B tones.
- Aux I/O's
- Securenet Coded/Clear Operation - Supports positive mode control (Tone)

Notes:
1. Intercom - Allows communication between desksets without accessing the radio frequency
2. Up to 10 remotes can be used in parallel.
3. MC Series remotes are not compatible with 900 MHz MaxTrac Mobiles.
4. MC2000 and MC2500 units require RSS programming software.
5. MC2500 unselect speaker port supports a passive speaker only.
6. For unexpected out-of-box failures or quality issues, the MC Series and MC3000 must be returned for warranty repair. Please refer to the user's manual. Units will be replaced if they are sent in a total of 3 times and continue to exhibit the same problem.
7. For L3276 & L3277, radio interface cable not included. Must be ordered separately.

DC and Tone Remote Control Models Only:
- For DC and Tone Remote Control: If base is not remote capable, a Remote Adapter is required (see L3276 & L3277).
- The L3213 Desksets support channel steering between 4 talkgroups over conventional or LTR® Trunking Systems.
- The L3216 and L3217 Desksets support channel steering between 15 talkgroups over conventional or LTR® Trunking Systems.

MODEL	DESCRIPTION	MSRP
L3213	MC1000 Tone Remote Control - 4 Frequency Maximum, 2-Wire or 4-Wire	$545.00
L3216	MC2000 Tone Remote Control - 16 Frequency Maximum, 2-Wire or 4-Wire, Parallel Status Updating	$1,300.00
L3217	MC2500 Multi-Channel Remote Control	$2,482.00

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SUGGESTED RETAIL

MC1000™, MC2000™ & MC2500™
DESKTOP CONTROLLERS
ACCESSORIES

MODEL	DESCRIPTION	MSRP
Tone & DC Remote Adapters - includes AC Power Supply (DDN7066) and Install/Service Manual:		
L3276	Tone Remote Adapter	$695.00
L3277	DC Remote Adapter	$552.00
General Accessories:		
HLN9457	Hardware Kit for use with the Expanded Accessory Connector (includes 16 connector pins, five (5) 8" wires with pins attached and an extra housing)	$6.95
Extended Local Control Accessories (for use with L3211 and L3214):		
DDN6337	Junction Box (order appropriate cable below) For connecting up to 6 local control desksets to the station.	$399.00
Radio Interface Cables (for use with DDN6337, L3276 and L3277):		
DDN6338	Radio Interface Cable (10 Ft.) for use with MaxTrac (16 pin accessory connector required), SM120™, M1225™, CDM750™, CDM1250™, CDM1550™ & CDM1550•LS+™	$72.00
DDN6340	Generic Radio Cable (10 Ft.) - unterminated, bare leads (can also be used with L3217)	$50.00
Field Install Kits:		
DDN6481	Punch Block with Spark Gap (recommended)	$405.00
DDN6516	Headset Jackbox - adds headset capacity (See MC3000 pages for compatible headsets)	$110.00
DDN6668	Single Footswitch	$94.00
DDN6341	110VAC Transformer for MC1000 models	$69.00
DDN6342	110/220VAC - 50/60 Hz Power Supply for MC2000 and MC3000 models	$219.00
DDN6339	110/220VAC - 50/60 Hz Power Supply for MC2500 models	$198.00
DDN7066	110/220VAC - 50/60 Hz Power Supply for L3276 & L3277 Remote Adapters	$195.00
Programming (MC2000 and MC2500 Models Only):		
RVN4178	Radio Service Software (includes CD-ROM)	$265.00
DDN6367	Radio Service Software Cable AT (DB9)	$35.00

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SUGGESTED RETAIL

MIP™ 5000 VoIP RADIO CONSOLE

*** MIP 5000 Release 4.2 Now Shipping***

MIP 500 Release 4.2 New Features:
- Support for XPR 5550 MOTOTRBO Mobile
- 48 Channel Support
- Microsoft Windows 8.1 64-Bit
- Multi-Touch Monitor Support
- Dual Channel IRR Support

MIP 5000 Console General Information:

The MIP 5000 VoIP Radio console is designed to provide customers an affordable solution to transmit dispatch quality voice over their existing Multicast enabled Ethernet network, The MIP 5000 radio console connects up to 100 users with flexible licensing that is available with 1, 4, 8, 12, 24, and 48 channel software options. In addition, up to 128 radio resources can be connected to the network and configured in the Console System Database Manager (CSDM). These configuration files can be saved on each operator position to allow the dispatcher to access and control different combinations of radio resources (up to 48 at a time).

MIP 5000 consists of **Gateways** which connect the radios to the **Network** and Operator Position components including: **MIP 5000 application software, Personal Computer (PC),** and **Audio accessories**

Gateways

There are 4 types of gateways available in a MIP 5000 system to interface to radios: Local, Tone, Digital, and MOTOTRBO. Gateways have a one to one relationship to radios. One gateway is required for each radio controlled.

Local Gateway L3482 controls radios, typically Mobiles in a Tray, via Microphone and Speaker connection and will support up to 16 frequency select (depending on radio capability).

Radio Interface Cables:
- Prewired cable for CDM Family: DDN6338
- Prewired cable for MCS2000: DDN6699
- Generic radio cable for use with XTL family: DDN6340 (Requires field install of XTL accessory connector)
- Map universal cable for use with MOTOTRBO/XPR family: PMKN4018 (Requires field install of DB25 for local gateway)

Tone Gateway L3483 controls base stations or repeaters with tone control signaling which will support up to 16 frequency select (depending on radio capability) via 600 Ohm lease lines. In addition, the tone gateway will also support E&M signaling.

DIU With a tone gateway connected to the 4 wire interface on a DIU, the MIP 5000 can talk/listen, change frequency and, select coded/clear. However, MIP 5000 does not support the ACIM link functionality of the DIU.

Digital Gateway L3484 acts as a virtual control head for specific Motorola radios or Consolettes via the SB9600 protocol. MIP 5000 will display the Alias ID if the individual Subscriber is configured to send it. MIP 5000 will provide the dispatcher access to the same number of frequencies the radio is capable of.

Mobiles supported are:
- APX 7500 Mobile in a tray (05 Control Head, Remote Mount)
- MCS2000 Model III
- Spectra/Spectra Plus Consolette W9
- ASTRO XTL5000 Consolette W9
- CDM1550 LS/LS+ - Requires Remote Kit (RLN4802) and Remote Cable Kit (RKN4077)

MIP 5000 Release	APX 7500 Firmware Version
R04.01.00	R09.00.00 or later
R04.01.01	R09.00.00 or later
R04.02.00	R10.00.00 or later

MOTOTRBO Gateway L3598 acts as a virtual control head for the MOTOTRBO XPR4550 control station via the XCMP protocol. MIP5000 will display the Alias ID when in analog or TRBO digital mode. MIP5000 will provide the dispatcher access to the same number of frequencies the radio is capable of. MOTOTRBO system types supported are:
- Conventional
- IP Site Connect
- Linked Capacity Plus
- Capacity Plus
- Connect Plus - Requires Connect Plus System Release 1.4b

MIP 5000 Release	XPR 4550 Firmware Version	XPR 5550 Firmware Version
R03.00.00	1.7.x	N/A
R03.00.01	1.7.x	N/A
R04.00.00	1.8.x	N/A
R04.01.00	1.9.x	N/A
R04.01.01	1.11.x	N/A
R04.02.00	1.12.x	R02.30.01

Network

It is highly recommended that customers intending to use MIP 5000 in Public Safety situations use a dedicated network for dispatching. For non public safety situations, a MIP 5000 can be placed on an existing customer network. Network must support multicast addressing and be QoS enabled. For complete network requirements, see Specification Sheet on MOL or EYES.

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SUGGESTED RETAIL

MIP™ 5000 VoIP RADIO CONSOLE
Models

Personal Computer (PC)

It is highly recommended that customers intending to use MIP 5000 in Public Safety situations purchase the TT2538 Motorola certified HP desktop computer. If not purchasing Motorola computers, see Specification Sheet on MOL for Recommended Minimum Computer Specifications. R04.02.00 supports Windows 7 Professional Service Pack 1 (32or 64 bit) and Windows 8.1 Professional (64-Bit). For Information Assurance Customers, the TT2538 is still the only certified solution.

ORDERING REQUIREMENTS
*** You must also order a DDN9867 MOTOTRBO Direct Connect Cable to connect the MOTOTRBO Gateway to the XPR 4550 or XPR 5550 Mobile ***

The MIP 5000 gateways do not ship with punch blocks or cables for connecting to base stations or radios. These must be ordered separately or provided by the customer. See the Accessories section below for cables that can be used for connecting to various radios.

Headset Jackbox

Every MIP 5000 operator position requires either a Basic or an Enhanced headset Jackbox. The Jackbox is needed for all standard (non USB) accessories. Each position requires a minimum of 1 and can support a maximum of 3 of any combination of Jackboxes. TT05515AA is the option for the Basic Headset Jackbox and TT05522AA is the option for the Enhanced headset Jackbox.

A headset(s) may be used with the MIP 5000 Console. Each headset must be connected to a MIP 5000 USB Basic or Enhanced Jackbox. A headset consists of two parts, a base and a top. A choice of two bases (CDN6281 and CDN6282) and several tops is provided. The MIP 5000 supports a maximum of two headsets per operator position.

Upgrades

Upgrades to R04.02.00 are available at no charge. Labor for upgrade installation is not reimbursable. To order contact System Support Center at 800-221-7144, option 4 on the call tree and request that a software case be opened.

Existing System Expansion

All new orders for Software and Gateways will ship with the latest release software – R04.02.00.
Adding Gateways: If adding gateways onto an existing R04.01.01 system or earlier, gateways will automatically downgrade during the installation process to match the software release running in the system.

Adding Operator Positions: If adding new operator positions to an existing R04.01.01 system or earlier, you will be required to upgrade the entire system (all Operator positions, CSDM and gateways) to R04.02.00. All operator positions and gateways in a MIP 5000 system must run the same version of software.

Instant Recall Recorder (IRR)

The Instant Recall Recorder (IRR) software with MIP 5000 allows users to record audio digitally on the MIP 5000 Operator position. Operator TX audio, Select and Unselect RX audio, Telephone Call Director Audio or any combination may be recorded.

If PC is...	Order	Includes:
...TT2538A MIP 5000 Certified PC	DDN1612	IRR Software & License, Soundcard, and PC Speakers
...Customer PC w/o Speakers	DDN1612	IRR Software & License, Soundcard, and PC Speakers
...Customer PC with Speakers	DDN1611 & DDN1118	IRR Software & License, Soundcard

Note: MIP 5000 with IRR on a laptop is not a supported configuration Link to price pages; Dual Instant Recall Recorder

Network Equipment

Model Number	Description	MSRP
CLN1836	HP Switch 2610-24	$2,250.00

Attention: Take advantage of free install assistance. Call 1-800-221-7144 Select 2, Select 3 on the call tree. "B4 You Install" Assist Conference Call is available to installers with every MIP 5000 order. Motorola now offers MIP 5000 installers an exclusive no charge Conference Call conversation with knowledgeable Support Tech personnel prior to going on site. This is an opportunity for a MIP 5000 installing technician to ask questions, collect information, review the install plan, insure your customer is satisfied and at the same time lower your on site job cost by making fewer return trips to the site. Call 1 800 221 7144 Select 2, Select 3 on the call tree.

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MIP™ 5000 VolP RADIO CONSOLE
Models & Accessories

Model Number	Description	MSRP
	Gateways:	
L3482AC	MIP5000 VoIP Local Gateway PS California Compliant - Provides one MIP 5000 Local Gateway. Each gateway is capable of supporting one local control radio. Punch blocks and cabling for connecting to the radio are not included in the L3482AC. An Ethernet cable (not included) is also required for each L3482AC	$798.00
L3483AC	MIP 5000 VoIP Tone Gateway PS California Compliant - Provides one MIP 5000 Tone Gateway. Each gateway is capable of supporting one tone remote controlled base station. Punch blocks and cabling for connecting to the station are not included in the L3483AC. An Ethernet cable (not included) is also required for each L3483AC.	$798.00
L3484AC	MIP 5000 VoIP Digital Gateway PS California Compliant - Provides one MIP 5000 Digital Gateway. Each gateway is capable of supporting one SB9600-capable radio. Punch blocks and cabling for connecting to the radio are not included in the L3484AC. An Ethernet cable (not included) is also required for each L3484AC	$798.00
L3598AC	MIP5000 VoIP MOTOTRBO Gateway - Provides one MIP 5000 MOTOTRBO Gateway. Each gateway is capable of supporting one XPR4550 or XPR 5550 radio. Punch blocks and cabling for connecting to the radio are not included in the L3598AC. An Ethernet cable (not included) is also required for each L3598AC.	$798.00
DDN8671	15 Ft Null Modem Cable DB9 F/F 1 cable required per system to configure the gateway	$13.00
DDN8672AC	Spare Power Supply for MIP 5000 Gateway w/ Power Cable California Compliant	$146.00
	MIP 5000 Software Channels:	
L3485	MIP5000 VoIP Dispatch SW 1 Ch. - Provides the software application and licenses for one MIP 5000 1 Ch. Dispatch console. Allows a dispatcher to access and control one MIP 5000 Local, Tone, Digital, or MOTOTRBO Gateway. The PC, microphone, speakers and headset are not included and must be provided separately.	$1,500.00
L3486	MIP5000 VoIP Dispatch SW 4 Ch. - Provides the software application and licenses for one MIP 5000 4 Ch. Dispatch console. Allows a dispatcher to access and control up to four MIP 5000 Local, Tone, Digital, or MOTOTRBO Gateways.The PC, microphone, speakers and headset are not included and must be provided separately.	$2,500.00
L3487	MIP5000 VoIP Dispatch SW 8 Ch. - Provides the software application and licenses for one MIP 5000 8 Ch. Dispatch console. Allows a dispatcher to access and control up to eight MIP 5000 Local, Tone, Digital, or MOTOTRBO Gateways.The PC, microphone, speakers and headset are not included and must be provided separately.	$6,500.00
L3499	MIP5000 VoIP Dispatch SW 12 Ch. - Provides the software application and license for one MIP 5000 12 Ch Dispatch console. Allows a dispatcher to access and control up to 12 MIP 5000 Local, Tone,Digital, or MOTOTRBO Gateways.The PC, microphone, speakers and headset are not included and must be provided separately.	$10,500.00
L3567	MIP5000 VoIP Dispatch SW 24 Ch. - Provides the software application and USB Hasp Key for one MIP5000 24-Channel dispatch console. Allows a dispatcher to access and control up to 24 MIP5000 Local, Tone, Digital, or MOTOTRBO Gateways. The PC, microphone, speakers, and headset are not included and must be provided separately.	$15,500.00
L3630	MIP5000 VoIP Dispatch SW 48 Ch. - Provides the software application and USB Hasp Key for one MIP5000 48-Channel dispatch console. Allows a dispatcher to access and control up to 48 MIP5000 Local, Tone, Digital, or MOTOTRBO Gateways. The PC, microphone, speakers, and headset are not included and must be provided separately.	$25,000.00
	MIP 5000 Options for Software:	
TT05515	MIP5000 Basic Model USB Headset Jackbox	$500.00
TT05522	MIP5000 Enhanced Model USB Headset Jackbox	$575.00

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MIP™ 5000 VoIP RADIO CONSOLE
Models & Accessories

SUGGESTED RETAIL

Model Number	Description	MSRP
	MIP 5000 Software Channels:	
TT2194	Expansion software from 12 channel to 24 channel capability	$5,500.00
TT2193	Expansion software from 8 channel to 24 channel capability	$9,500.00
TT2192	Expansion software from 4 channel to 12 channel capability	$8,500.00
TT2191	Expansion software from 4 channel to 24 channel capability	$13,000.00
TT2225	Expansion software from 8 channel to 12 channel capability	$4,500.00
TT2745	Expansion software from 4 channel to 48 channel capability	$23,000.00
TT2746	Expansion software from 8 channel to 48 channel capability	$19,000.00
TT2747	Expansion software from 12 channel to 48 channel capability	$15,000.00
TT2748	Expansion software from 24 channel to 48 channel capability	$10,000.00

Note: Orders place for Expansion Software must be accompanied by telephone call to System Support Center (SSC) to open an entitlement case. Before your MIP 5000 Expansion Software order can ship you must call Support Center at 800-221-7144, option 4on the call tree and request a software case be opened. Be prepared to provide the Factory Order (FO) # and the Serial number of currently installed software as well as the new FO# for Expansion SW.

	Demo Equipment:	
L3544	MIP5000 4 Ch. Demo Software The 4 channel MIP 5000 Demo Software provides software to dealers at a significant discount. This discount is made available to dealers who want to set up a working MIP 5000 system for Customer demo purposes. The offer is limited by the number of dealership offices To complete the demo system, the following components need to be ordered: 1) Up to 4 MIP 5000 Gateways (L3482 local , L3483 tone, L3484 digital, L3598 MOTOTRBO) 2) DDN8671 Null Modem cable for programming the gateway. 3) DDN9492 USB Headset Jackbox, 4) B1914 Desktop Gooseneck Microphone. 5) Mobile radio with radio interface cables to connect the gateway to the radio 6) A desktop or laptop computer meeting MIP 5000 specifications 7) a set of PC Speakers 8) Subscriber to demonstrate RX and TX audio	$750.00
L3615	MIP 5000 1 Channel MOTOTRBO Demo Kit Kit Includes: 1) 1 Channel MIP 5000 Software 2) 1 MIP 5000 MOTOTRBO Gateway 3) 1 MIP 5000 MOTOTRBO Direct Connect Cable Limited to 1 Kit Per Dealer Site Location	$750.00
	Computers:	
TT2538	Z420 Low Tier Workstation with Windows 7 Pro 64 Bit SP1	$2,550.00
DDN1612	SW Based IRR USB HASP with License, Sound Card, and Speakers for Windows 7. Kit includes software based Instant Recall Recorder (IRR) CD, USB HASP protection key, Sound Blaster XFI Xtreme sound, and a Set of PC speakers . A set of PC speakers are included to facilitate the playback audio from the telephone and radio lines.	$2,935.00
CDN6673	Set of 2 PC Speakers	$46.00
DS017BLK	17 INCH NON-TOUCH MONITOR, BLACK	$1,180.00
DS019BLK	19" LCD, Black, No - Touch	$1,520.00
DS017BLKTS	17" LCD, Black, with Touch	$2,134.00
	Audio:	
DDN9492	MIP5000 Basic Model USB Headset Jackbox Supports 1 Plantronics two prong headset base and quick disconnect top, 1 footswitch BLN6732 and 1 gooseneck Microphone B1914	$500.00
DDN9493	MIP5000 Enhanced Model USB Headset Jackbox Supports 1 Plantronics two prong headset base and quick disconnect top, 1 footswitch BLN6732 and 1 gooseneck Microphone B1914, also provides port for Call Director, logging Recorder or External Pager port.	$575.00
B1914	MCC Series Desktop Gooseneck Microphone Provides one desktop style microphone. Includes transmit and monitor buttons, an 18" gooseneck shaft and a 10 foot cable. Compatible for use near CRT monitors.	$250.00
BLN6732	Foot, Switch Tradition	$106.00

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MIP™ 5000 VolP RADIO CONSOLE

Accessories

SUGGESTED RETAIL

Model Number	Description	MSRP
	MOTOTRBO Gateway Radio Interface Cable:	
DDN9867	MOTOTRBO XPR4550 and XPR 5550 Direct Connect Cable	$159.00
	Digital GW Radio Interface Cables:	
DDN1463	APX 7500 Mobile Direct Connect Cable	$230.00
DDN8350	MCS2000 III Direct Connect Cable	$200.00
DDN8351	Consolette W9 Direct Connect Cable	$100.00
DDN8352	CDM1550 Series Direct Connect Cable	$100.00
	Local GW Radio Interface Cables:	
DDN6338	Radio Interface Cable 4 Use with MAXTRAC, M1225, SM50, SM120, CDM1550 - For connecting MAXTRAC, M1225, SM50, SM120, CDM750, CDM1250, and CDM1550 family radios with Local Junction Box (DDN6337) and TRC/DC Remote Adapters (L3276/L3277)	$72.00
DDN6340	Generic Radio Cable with Unterminated Bare Leads - For use with Local Junction Box (DDN6337) and TRC/DC Remote Adapters (L3276/L3277).	$50.00
DDN6699	Radio Interface Cable For the MCS2000	$138.00
	Headset Tops: (pick at least 1 headset top)	
RMN5077	Supraplus Single Muff Headset	$110.00
RMN5078	Supraplus NC Single Muff Headset	$149.00
RMN5079	Supraplus Dual Muff Headset	$117.00
RMN5080	Supraplus NC Dual Muff Headset	$139.00
	Headset Bases: (1 per operator position)	
RLN6098	HDST Module Base w/ PTT, 15' Cbl	$210.00
RLN6099	HDST Module Base w/ PTT, 25' Cbl	$242.00
	RackMount Kit:	
DDN8900	MIP5000 Rackmount Kit (Holds maximum of 2 gateways)	$225.00
	Information Assurance: (to be used with TT2538 computer)	
TT2134	MIP5000 Information Assurance Transparent Hardening Kit CD	$50.00
TT2135	MIP5000 Information Assurance Fully Hardened Kit CD	$50.00

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SUGGESTED RETAIL

MONITORING & CONTROL NETWORK (MCN) FOR MIP 5000 CONSOLE

The MIP 5000 console system now supports Auxiliary I/Os via CTI's Monitoring ControlNetwork Remote Comparator Display (MCN RCD) Client Server Software. This software provides real-time monitoring and control for a wide range of devices including doors,alarms, light switches, and other general purpose Auxiliary I/O applications. In addition,the MCN RCD system supports comparator/voting displays at the MIP 5000 console operator position. The MCN RCD Client Server Software is an IP based solution and can run on the same network as the MIP 5000 console. The MCN RCD system consists of two parts: The MCN RCD Server Software with HIB-IP Module and the specific interface module for the application. The interface module(s) can be General Purpose I/Os, Comparator module, or a combination of the two. The paired solution between the MIP 5000 console and the MCN RCD Client Server Software can support up to 192 inputs and 128 outputs.

Ordering Requirements:

STEP 1:

Order the MCN RCD Software with HIB-IP, **DDN1388** – this will allow up to 4 MIP 5000 operator positions (clients) to share the I/O module status. If more than 4 operator positions are required, than the MCN SW Lic Opt Client Expansion for 4

STEP 2:

Order 1 power supply **CDN6116** with every HIB-IP Module.

STEP 3:

Order the appropriate modules for the application. A maximum of 16 modules can be supported per HIB-IP.

- For General Purpose Aux I/Os, order **DDN1385 (GPIO)**. Each DDN1385A can control 12 inputs and 8 outputs.
- For interfacing to ASTRO-TAC Comparators, order **CDN6119 (AIB).**
- For interfacing to SPECTRA-TAC Comparator, order **CDN6121 (CIB).**

STEP 4:

Order 1 power supply, **CDN6116**, for every 4 modules ordered in Step 3.

- Example 1: If you order 2 DDN1385 and 2 CDN6119, then order 1 CDN6116.
- Example 2: If you order 3 DDN1385 and 2 CDN6121, then order 2 CDN6116.

STEP 5:

Order the same number of network cables as the Quantity of modules ordered in Step 3. The following Network cable lengths are available:

- CABLE ASSY NETWORK 9 INCHES, **CDN6123**
- CABLE ASSY NETWORK 3 FT, **CDN6124**
- CABLE ASSY NETWORK 10 FT, **CDN6125**
- CABLE ASSY NETWORK 25 FT, **CDN6126**
- CABLE ASSY NETWORK 100 FT, **CDN6127**

Note: If rack mounting, the 9 inch cable should be used from module to module. To connect between rackmount shelves, the 3 FT cable should be used.

STEP 6:

Order 2 Network Terminator's, **CDN6115**, for every HIB (DDN1388) ordered in Step 1.

STEP 7:

Order appropriate cabling for modules:

For each GPIO and CIB module ordered in Step 3, order:

- 1 PUNCH BLOCK DUAL 25 PAIR, **CDN6118**
- 1 CABLE ASSY 25 PR M-NONE 25FT, **CDN6135**

And 1 of the cables below:

- CBL ASSY 25 PR MALE-MALE 10 FT, **CDN6129**

OR

- CBL ASSY 25 PR MALE-MALE 25 FT, **CDN6130**

For each AIB module ordered in Step 3, order CBL ASSY AIB COMPARATOR 10 FT, **CDN6131**

Order 1 CABLE KIT HIB PC AT/XT 6 FT, **DDN6132** for every system

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MONITORING & CONTROL NETWORK (MCN) FOR MIP 5000 CONSOLE

SUGGESTED RETAIL

Ordering Requirements (Continued):

STEP 8:

It's recommended to order the appropriate manual for modules ordered in Step 1 and Step 3, manuals are not included with Modules.

Manuals for Modules in Step 1 – Both manuals are needed for DDN1388
- HIB HARDWARE GUIDE, **CDN6110**
- MCN SERVER SOFTWARE MANUAL **DDN1402**

Manuals for Modules in Step 3
- GPIO HARDWARE GUIDE, **DDN1386**
- AIB HARDWARE GUIDE, **CDN6107**
- CIB HARDWARE GUIDE, **CDN6109**

STEP 9: **(Optional)**

Order the appropriate quantity of rackmount shelves for modules ordered in Step 1 and Step 3.

- **DDN1387** is available to rackmount the *MCN RCD HIB MODULE.* Each rackmount will support 1 DDN1388 (Step 1) and two additional GPIO, AIB or CIB modules (Step 3).

- Additional rackmount shelves for the GPIO, AIB or CIB modules ordered in Step 3, can be purchased with part number **CDN6112**. Each CDN6112 can support up to 4 modules.

MODEL NUMBER	DESCRIPTION	MSRP
MCN Modules		
DDN1388	MCN RCD Software and HIB-IP Module	$7,000.00
DDN1385	MCN GPIO-1208C Input/Output Module	$1,075.00
CDN6119	AIB ASTROTAC Interface Module	$1,900.00
CDN6121	CIB Comparator Interface Module	$775.00
Software Expansion		
DDN1295	MCN SW LIC OPT Client Expansion for 4 Additional Clients	$2,765.00
Power Supply		
CDN6116	Power Supply MCN120 VAC	$84.00
Network Cables and Terminators		
CDN6123	Cable Accessory Network, 9 IN	$21.00
CDN6124	Cable Accessory Network, 3 FT	$21.00
CDN6125	Cable Accessory Network, 10 FT	$21.00
CDN6126	Cable Accessory Network, 25 FT	$38.00
CDN6127	Cable Accessory Network, 100 FT	$92.00
CDN6115	Network Terminator (Standard 78K Systems)	$10.00
Parallel Input/Output Cables		
CDN6129	Cable Accessory, 25 PR Male-Male, 10 FT	$36.00
CDN6130	Cable Accessory, 25 PR Male-Male, 25 FT	$55.00
Serial Cables		
CDN6132	Cable Kit HIB PC AT/XT, 6 FT	$30.00
CDN6131	Cable Accessory AIB Comparator, 10 FT	$55.00
Manuals		
CDN6110	HIB Hardware Guide	$20.00
DDN1402	MCN Server Software Manual	$28.00
DDN1386	GPIO Hardware Guide	$20.00
CDN6107	AIB Hardware Guide	$20.00
CDN6109	CIB Hardware Guide	$20.00
Rack Mounting		
DDN1387	MCN Accessory Rack Mount Kit Dual A + B	$75.00
CDN6112	Rack Mount Quad Size A	$78.00

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ADVISOR II
NARROWBAND ALPHANUMERIC PAGER
POCSAG TECHNOLOGY
VHF & UHF MODELS

SUGGESTED RETAIL

All ADVISOR *II* Models Include:
- Pager Holster
- User Manual
- One Year Warranty

Feature Highlights:
- 12.5 kHz (Narrowband) Channel Spacing
- Synthesized
- 4 Line - 80 Character Display
- 52 Message Slots
- 30,000 Character Capacity
- 19 Personal Messages
- Message Preview
- Message Time & Date Stamping
- Reminder Alert
- Message Alarm
- Duplicate Message Detection
- OPTIMAX Display
- Unread Message Indication
- 8 User Selectable Alerts
- Battery Gauge
- Private Time
- Individual Delete/Delete All
- POCSAG Technology

The following frequencies are not allowed:

146.650	**154.500**	**158.3625**	**158.450**	**450.425**
147.5375	**157.125**	**158.375**	**158.425**	**453.050**
147.550	**158.300**	**158.3875**	**162.3625**	**455.6625**
149.9875	**158.3125**	**158.400**	**164.9875**	**460.900**
150.000	**158.325**	**158.4125**	**167.600**	
151.875	**158.3375**	**158.425**	**170.225**	
151.8875	**158.350**	**158.4375**	**172.8375**	

Note: Advisor II pager no longer includes "AA" Alkaline Battery in shipment

Note: Effective June 1st, ordering for the 2 Advisor II Narrow Band models has been put on hold until further notice.

Note: Please be advised, prior to the use of a UHF Advisor II Narrowband pager. Missed pages may occur when pager is used in close proximity to a cellular device operating at the 850Mhz GSM band and emitting maximum power at the cellular system coverage fringe. These symptoms may manifest themselves when the 850Mhz GSM cellular device is active while the pager is paged. Should you have questions regarding any potential missed pages, please contact your Motorola Solutions account representative or channel partner.

POCSAG Technology

BAND SPLIT	BAND	CATALOG MODEL	MSRP
143-174 MHz	VHF	A03DTS5963_A	$225
450-470 MHz	UHF	A04DTS5963_A	$225

For technical training of Motorola products, please visit:
https://learning.motorolasolutions.com/

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Date 1/1/14

SUGGESTED RETAIL

ADVISOR II
NARROWBAND ALPHANUMERIC PAGER
OPTIONS/ACCESSORIES

MODEL	DESCRIPTION	MSRP

UL Approval labels are attached to the Advisor II pager to identify the unit as being UL Approved for specified hazardous atmospheres. This label specifies the hazardous Class/Division/Group. Models are UL approved for Division 2, I, ABCD

Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

STEP 1:

Frequency Choices:

RA00011	VHF 143-152.995 MHz Narrowband	N/C
RA00012	VHF 153-162.995 MHz Narrowband	N/C
RA00013	VHF 163-174 MHz Narrowband	N/C
RA00014	UHF 450-459.995 MHz Narrowband	N/C
RA00015	UHF 460-470 MHz Narrowband	N/C

STEP 2:

Warranty Choices

STDWAR0169	One Year Standard Warranty	N/C
H885	2 Year Service from the Start -LITE - Provides 2 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$56.00

General Accessories:

1580384P29	Battery Housing Cover	$2.38
1580384P25	Accessory Holster	$4.25
1580384P26	Holder Top Case	$4.50
6180384X16	Lens Display	$9.00

Service Accessories:

Advisor II Pager Programming Software is available as a free download on MOL under Resource Center -> Software-> Paging -> Service

RLN6361	Advisor II Programming Kit	$75.00

Manuals:

68009258001	Advisor II Narrowband User Manual (English)	$5.00

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SUGGESTED RETAIL

ADVISOR II
ALPHANUMERIC PAGER
FLEX TECHNOLOGY
VHF & 900 MHz MODELS

All ADVISOR *II* Models Include:
- Pager Holster
- User Manual
- One Year Warranty

Feature Highlights:
- 25 kHz (Wideband) Channel Spacing
- Synthesized
- 4 Line - 80 Character Display
- 52 Message Slots
- 30,000 Character Capacity
- 19 Personal Messages
- Message Preview
- Message Time & Date Stamping
- Reminder Alert
- Message Alarm
- Duplicate Message Detection
- OPTIMAX Display
- Unread Message Indication
- 8 User Selectable Alerts
- Battery Gauge
- Private Time
- Individual Delete/Delete All
- FLEX Technology

Note: Advisor II pager no longer includes "AA" Alkaline Battery in shipment

The following frequencies are not allowed:
167.600
168.500
172.8375

FLEX Technology

BAND SPLIT	BAND	CATALOG MODEL	MSRP
163-174 MHz	VHF	A03DXS5862_A	$225
929-932 MHz	900 MHz	A05DXS5862_A	$225

For technical training of Motorola products, please visit:
https://learning.motorolasolutions.com/

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Date 1/1/14
SUGGESTED RETAIL

ADVISOR II
FLEX - ALPHANUMERIC PAGER
OPTIONS/ACCESSORIES

MODEL	DESCRIPTION	MSRP

UL Approval labels are attached to the Advisor II pager to identify the unit as being UL Approved for specified hazardous atmospheres. This label specifies the hazardous Class/Division/Group. Models are UL approved for Division 2, I, A,B,C,D

Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

STEP 1:

Frequency Choices:

RA00007	VHF 163-174 MHz	N/C
STDTAN0169	900 MHz 929-932 MHz	N/C

STEP 2:

Warranty Choices

STDWAR0169	One Year Standard Warranty	N/C
H885	2 Year Service from the Start -LITE - Provides 2 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$56.00

Service Accessories & Manuals:

Advisor II Pager Programming Software is available as a free download on MOL under Resource Center->Software->Paging->Service

RLN6361	Advisor II Programming Kit	$75.00
6880309S10	Advisor II Pager Programming Manual	$8.50
6880309P64	Advisor II User Manual (English)	$5.00

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SUGGESTED RETAIL

MINITOR V
TWO-TONE VOICE PAGER
LOWBAND, VHF & UHF Models

All MINITOR V Two-Tone Pager Models Include:
- 1 Battery Pack (RLN5707)
- Standard Charger (RLN5703)
- Users Guide
- One Year Warranty

Feature Highlights:
- Wideband / Narrowband Programmable
- Single or Dual Channel Models
- Synthesized
- Audible or Vibrate Alerting
- Field Programmable Function Select Switch
- Up To 12 Calls Per Channel (field programmable)
- Speaker/Earphone Jack
- Priority Scan (Dual Frequency Models Only)
- 8-Minutes Voice Storage (Stored Voice Models Only)

BAND SPLIT	BAND	CHANNEL	CATALOG MODEL	MSRP
33 - 49 MHz	LOW	SINGLE	A01KMS7238_C (Non-Stored Voice)	$459
33 - 49 MHz	LOW	DUAL	A01KMS7239_C (Non-Stored Voice)	$513
33 - 49 MHz	LOW	SINGLE	A01KMS9238_C (Stored Voice)	$506
33 - 49 MHz	LOW	DUAL	A01KMS9239_C (Stored Voice)	$560

UL Approval labels are attached to the MINITOR V pager to identify the unit as being UL Approved for specified hazardous atmospheres. All MINITOR V models are UL approved Intrinsically Safe for Div 1, I, CD; II, E,F,G

For technical training of Motorola products, please visit:
https://learning.motorolasolutions.com/

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Date 3/4/14
SUGGESTED RETAIL

MINITOR V
TWO-TONE VOICE PAGER
OPTIONS

MODEL	DESCRIPTION	MSRP
Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP		

STEP 1:

Models	Models	Models	Models
A01KMS7238_C	A01KMS7239_C	A01KMS9238_C	A01KMS9239_C

Frequency Choices:

LowBand

33.00 - 36.995	Y31	Y31	Y79	Y79	N/C
37.00 - 40.995	Y33	Y33	Y80	Y80	N/C
41.00 - 44.995	Y34	Y34	Y81	Y81	N/C
45.00 - 49.00	Y35	Y35	Y82	Y82	N/C

STEP 2:

Charger Options:

STDCHG0136	Standard Charger (RLN5703)	N/C
R687	Charger with 2.5 Watt Audio Amplifier & Relay	$70.00
H951	Omit Standard Charger - Pager will still ship with RLN5707 (battery pack)	-$38.50

STEP 3:

Warranty Options:

STDWAR0136	One Year Standard Warranty	N/C
R336	2 Year Service from the Start -LITE - Provides 2 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$40.00
R522	4 Year Service from the Start -LITE - Provides 4 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$80.00

Batteries:

RLN5707	Battery Pack	$14.00

Carry Cases:

RLN5699	Nylon Carry Case, Plain	$10.00
RLN5700	Nylon Carry Case with Flag	$12.00

Chargers:

RLN5703	Standard Charger	$38.50
RLN5704	LowBand Charger with 2.5 Watt Audio Amplifier & Relay	$108.50

Service Accessories:

Advisor II Pager Programming Software is available as a free download on MOL under Resource Center->Software->Paging->Service

RLN6360	Minitor V Programming Kit	$224.00

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SUGGESTED RETAIL

MINITOR VI
TWO-TONE VOICE PAGER
VHF & UHF Models

Standard Package Includes:
- 1 Battery Pack
- Standard Charger (RLN6505)
- Belt Clip (RLN6509)
- User Guide
- Two-Year Warranty

Feature Highlights:
- Wideband / Narrowband Programmable
- One or Five Channel Models
- Stored Voice with up to 16 Minutes of Memory
- Audible or Vibrate Alerting
- Field Programmable Function Select Switch
- Intrinsically Safe and Non-Intrinsically Safe models
- IP56 Rating

BAND SPLIT	BAND	CHANNEL	CATALOG MODEL	MSRP
Intrinsically Safe Models				
143-174MHz	VHF	1	A03JAC8JA1_N	$531
143-174MHz	VHF	5	A03JAC9JA1_N	$588
406 -430 MHz	UHF	1	A04QAC8JA1_N	$531
406 -430 MHz	UHF	5	A04QAC9JA1_N	$588
450 -486 MHz	UHF	1	A04RAC8JA1_N	$531
450 -486 MHz	UHF	5	A04RAC9JA1_N	$588
476 - 512 MHz	UHF	1	A04SAC8JA1_N	$531
476 - 512 MHz	UHF	5	A04SAC9JA1_N	$588
Non-Intrinsically Safe Models				
143-174MHz	VHF	1	A03JAC8JA2_N	$468
143-174MHz	VHF	5	A03JAC9JA2_N	$523
406 -430 MHz	UHF	1	A04QAC8JA2_N	$468
406 -430 MHz	UHF	5	A04QAC9JA2_N	$523
450 -486 MHz	UHF	1	A04RAC8JA2_N	$468
450 -486 MHz	UHF	5	A04RAC9JA2_N	$523
476 - 512 MHz	UHF	1	A04SAC8JA2_N	$468
476 - 512 MHz	UHF	5	A04SAC9JA2_N	$523

UL Approval labels are attached to the MINITOR VI UL models to identify the unit as being UL Approved for specified hazardous atmospheres. Not all MINITOR VI models are UL approved Intrinsically Safe for Division 1, Class I, Group C, D, Class II, Group E, F, G

Options: TO COMPLETE AN ORDER YOU MUST SELECT ONE (1) CHOICE FOR EACH STEP

STEP 1:

Charger Options:		MSRP
STDCHG0136	Standard Charger (RLN6505)	N/C
R687	Charger with Audio Amplifier & Relay	$80.00
H951	Omit Standard Charger - Pager will ship with battery pack ONLY	-$39.00

STEP 2:

Warranty Options:		
QA03817	Two-Year Standard Warranty	N/C
RA00640	1 Year Service from the Start -LITE - Provides 1 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$20.00
RA00641	3 Year Service from the Start -LITE - Provides 3 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.	$60.00

Aftermarket Accessories:

MODEL	DESCRIPTION	MSRP
PMNN4438	Battery, UL	$18.00
PMNN4451	Battery, Non-UL	$16.00
RLN6526	Battery Tray (non-UL ONLY)	$15.00
RLN6505	Standard Charger	$39.00
RLN6506	Amplifier Charger Base	$109.00
RLN6507	Antenna, VHF Amplifier Charger	$109.00
RLN6508	Antenna, UHF Amplifier Charger	$109.00
RLN6509	Belt Clip	$9.80
PMLN6725	Standard Nylon Carry Case	$15.00
RLN6527	Programming Kit	$39.00

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SUGGESTED RETAIL

SPECTRUM™
LOWBAND/HIGH BAND
MOBILE ANTENNAS*

MODEL	DESCRIPTION	MSRP
SPECTRUM™ LOW BAND ANTENNAS - BASE LOADED		
	Frequency Range: 30-50 MHz Gain: Unity VSWR: Less than 1.5:1	
	Power: 100 Watts Max. Cable: RG58A/U Impedance: 50 Ohms, nominal	
	NOTE: All mounts are with RG58 A/U Coaxial cable	
PL259 Connector:		
RAB4004ARA	Through-hole Mount, Standard Duty, 42-50 MHz	$71.75
RAB4012ARA	Through-hole Mount, Rugged Duty, 30-36 MHz	$93.50
RAB4013ARA	Through-hole Mount, Rugged Duty, 36-42 MHz	$88.50
RAB4014ARA	Through-hole Mount, Rugged Duty, 42-50 MHz	$92.25
RAB4004	Antenna Only (Less cable & install hardware) - Standard Duty, 42-50 MHz	$52.75
RAB4012	Antenna Only (Less cable & install hardware) - Rugged Duty, 30-36 MHz	$70.50
RAB4013	Antenna Only (Less cable & install hardware) - Rugged Duty, 36-42 MHz	$69.50
RAB4014	Antenna Only (Less cable & install hardware) - Rugged Duty, 42-50 MHz	$70.00
SWIVEL BASE WITH SPRING - QUARTER WAVE		
	Frequency Range: 25-54 MHz Gain: Unity VSWR: Less than 1.5:1	
	Power: 250 Watts Max. Cable: RG58A/U Impedance: 50 Ohms, nominal	
	NOTE: All mounts are with RG58 A/U Coaxial cable	
TAB1002	Stainless Steel, 8 Ft. Cable, 30-54 MHz	$170.00
SPECTRUM™ ACCESSORIES		
THESE ANTENNAS CANNOT BE USED FOR BROADBAND APPLICATIONS.		
PL259 Connector:		
0180352A03	Through-hole Mount, PL259, 17 Ft. Cable	$17.25
0180355A85	Trunk Lip Mount, PL259, 17 Ft. Cable	$40.75
Mini-UHF Connector Connector:		
0180355A80	Magnet Mount, Mini UHF, 12 Ft. Cable	$28.50
0180351A98	Through-hole Mount, Mini UHF, 17 Ft. Cable	$12.50
0180355A88	Trunk Lip Mount, Mini UHF, 17 Ft. Cable	$31.75
Miscellaneous:		
0180358A04	Spring	$22.00
4780385B68	Whip	$8.75
SPECTRUM™ HIGH BAND ANTENNAS - BASE LOADED 3dB		
	Frequency Range: 136-174 MHz VSWR: Less than 1.5:1 Gain: 3dB	
	Power: 150 Watts Max. Impedance: 50 Ohms, nominal Cable: RG58A/U	
PL259 Connector:		
RAD4010ARA	Through-hole Mount, Rugged Duty, 136-174 MHz	$85.75
RAD4010AMA	Magnet Mount, Rugged Duty, 136-174 MHz	$108.50
Mini-UHF Connector:		
RAD4000ARB	Through-hole Mount, Standard Duty, 136-174 MHz	$65.50
HAD4022	Through-hole Mount, Rugged Duty, 136-174 MHz	$65.50
RAD4000AMB	Magnet Mount, Standard Duty, 136-174 MHz	$80.50
RAD4010AMB	Magnet Mount, Rugged Duty, 136-174 MHz	$97.50
RAD4000	Antenna Only (less cable & install hardware) - Standard Duty, 136-174 MHz	$50.00
RAD4010	Antenna Only (less cable & install hardware) - Rugged Duty, 136-174 MHz	$67.00
HIGH BAND QUARTER WAVE ANTENNAS		
	Frequency Range: 132-174 MHz VSWR: Less than 1.5:1 Gain: Unity	
	Power: 150 Watts Max. Impedance: 50 Ohms, nominal	
PL259 Connector:		
TAD6112	Through-hole Mount, 144-152 MHz	$20.50
TAD6113	Through-hole Mount, 152-162 MHz	$20.50
TAD6114	Through-hole Mount, 162-174 MHz	$20.50
Mini-UHF Connector:		
HAD4007	Through-hole Mount, 144-150.8 MHz	$19.50
HAD4008	Through-hole Mount, 152-162 MHz	$19.50
HAD4009	Through-hole Mount, 162-174 MHz	$19.50
0180352A06	Antenna Only, 144-152 MHz	$7.00
0180352A07	Antenna Only, 152-162 MHz	$7.00
0180352A08	Antenna Only, 162-174 MHz	$7.00
SPECTRUM™ ACCESSORIES		
PL259 Connector:		
0180352A03	Through-hole Mount, PL259, 17 Ft. Cable	$17.25
0180355A85	Trunk Lip Mount, PL259, 17 Ft. Cable	$40.75
Mini-UHF Connector:		
0180355A80	Magnet Mount, Mini UHF, 12 Ft. Cable	$28.50
0180351A98	Through-hole Mount, Mini UHF, 17 Ft. Cable	$12.50
0180355A88	Trunk Lip Mount, Mini UHF, 17 Ft. Cable	$31.75
Miscellaneous:		
0180358A04	Spring	$22.00
4780385B68	Whip	$8.75

*Manufactured by Motorola Soutions

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Date 1/1/14
SUGGESTED RETAIL

SPECTRUM™
HIGH BAND / UHF BAND
MOBILE ANTENNAS*

MODEL	DESCRIPTION	MSRP
SPECTRUM™ MOBILE ANTENNAS - BASE LOADED 5dB		
	Frequency Range: 406-512 MHz VSWR: Less than 1.5:1 Gain: 5dB	
	Power: 150 Watts Max. Impedance: 50 Ohms, nominal Cable: RG58A/U	
PL259 Connector:		
RAE4014ARA	Through-hole Mount, Rugged Duty, 445-470 MHz	$112.50
RAE4004	Antenna Only (less cable & install hardware) - Standard Duty, 445-470 MHz	$75.50
RAE4014	Antenna Only (less cable & install hardware) - Rugged Duty, 445-470 MHz	$93.50
Mini-UHF Connector:		
RAE4004ARB	Through-hole Mount, Standard Duty, 445-470 MHz	$92.00
RAE4014ARB	Through-hole Mount, Rugged Duty, 445-470 MHz	$110.25
RAE4004AMB	Magnet Mount, Standard Duty, 445-470 MHz	$109.25
RAE4004	Antenna Only (less cable & install hardware) - Standard Duty, 445-470 MHz	$75.50
RAE4014	Antenna Only (less cable & install hardware) - Rugged Duty, 445-470 MHz	$93.50
UHF 3.5dB GAIN		
	Frequency Range: 406-512 MHz VSWR: Less than 2:1 Gain: 3.5dB	
	Power: 150 Watts Max. Impedance: 50 Ohms, nominal	
PL259 Connector:		
TAE6072	Through-hole Mount, 445-470 MHz	$125.00
Mini-UHF Connector:		
HAE4011	Through-hole Mount, 445-470 MHz	$77.50
UHF QUARTER-WAVE		
NOTE: Frequency Range, Power, Impedance - Same as UHF 3.5dB GAIN above. Gain: Unity Impedance: 50 Ohms, nominal		
PL259 Connector:		
TAE6052	Through-hole Mount, 450-470 MHz	$20.50
TAE6054	Through-hole Mount, 494-512 MHz	$20.50
RRA5554	Magnetic Mount, 450-470 MHz	$48.75
0180352A09	Antenna Only (less cable & install hardware), 406-420 MHz	$6.00
0180352A10	Antenna Only (less cable & install hardware), 445-470 MHz	$6.00
0180352A11	Antenna Only (less cable & install hardware), 470-494 MHz	$6.00
806-900 MHz 3dB GAIN ANTENNA		
	Frequency Range: 806-900 MHz VSWR: Less than 1.5:1 Gain: 3dB	
	100 Watts Max. Impedance: 50 Ohms, nominal	
PL259 Connector:		
RRA4910	Through-hole Mount with RG58A/U-Stainless Steel	$39.50
Mini-U Connector:		
RRA4914	Through-hole Mount, with RG58A/U-Stainless Steel	$39.50
RRA4990	Through-hole Mount, with RG58A/U-Black Chrome	$33.00
RRA4983	Through-hole Mount, with Low Loss-Stainless Steel	$57.50
RRA4986	Through-hole Mount, with Low Loss-Black Chrome	$43.00
RRA4921	Magnet Mount, with RG58A/U-Stainless Steel	$51.25
RRA4976	Magnet Mount, with RG58A/U-Black Chrome	$58.00
RRA4923	Trunk Lip Mount, with RG58A/U-Stainless Steel	$48.00
TNC Connector:		
RRA4915	Through-hole Mount, with RG58A/U-Stainless Steel	$39.50
RRA4917	Through-hole Mount, with Low Loss-Stainless Steel	$47.00
N Connector:		
RRA4984	Through-hole Mount, with RG58A/U-Stainless Steel	$38.00
0180372A90	Antenna Only-Stainless Steel	$16.25

*Manufactured by Motorola Soutions

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Date 1/1/14
SUGGESTED RETAIL

SPECTRUM™ 800 & 900 MHz MOBILE ANTENNAS & SPECIAL APPLICATIONS & MINI MAG™ *

MODEL	DESCRIPTION	MSRP
800-900 MHz QUARTER-WAVE ANTENNAS	Frequency Range: 806-900 MHz; Power: 100 Watts Max; VSWR: Less than 1.5:1; Impedance: 50 Ohms, nominal; Gain: Unity	
PL259 Connector:		
TAF6041	Through-hole Mount, 14 Ft. Low Loss Cable, 806-900 MHz	$33.75
TNC Connector:		
RRA4918	Through-hole Mount, 14 Ft. Low Loss Cable, 806-900 MHz	$43.00
Mini-U Connector:		
HAF4002	Through-hole Mount, 14 Ft. RG58A/U, 806-900 MHz	$16.25
0180351A90	Antenna Only, 806-900 MHz with Chrome Nut	$5.75
890-960 MHz 3dB GAIN ANTENNAS	Frequency Range: 890-960 MHz; Power: 100 Watts Max; VSWR: Less than 2:1; Impedance: 50 Ohms, nominal; Gain: 3dB	
RRA4935	Through-hole Mount, Mini-UHF, RG58A/U, 890-960 MHz	$30.00
RRA4936	Magnet Mount, Mini-UHF, RG58A/U, 890-960 MHz	$34.75
TRANSIT DOME STYLE ANTENNAS - LOW PROFILE	Frequency Range: 148-174, 450-512, 806-866 MHz; Power: 150 Watts Max. High Band, UHF, 100 Watts Max. 800 MHz; Band Width: .5 MHz @ 1.5:1; Impedance: 50 Ohms, nominal; Gain: Unity	
RRA4908	Antenna and Cable Kit, 806-866 MHz	$160.00
RRA4905	Antenna Only, 806-866 MHz	$56.00
CONNECTORS		
2882021G01	PL259 Connector	$4.31
0980348B61	TNC Connector	$8.98

MINI MAG™

- Factory tuned & ready to install
- Requires no holes drilled
- Magnetic Mount
- Environmentally tested for temperature, humidity & corrosion
- For conventional & trunked 800 & 900 MHz mobile radios
- Two Year Warranty

Electrical Specifications:

Frequency Ranges :	806-860 MHz
Bandwidth:	60 MHz
Gain:	3dB
Power:	15 Watts Maximum (Intermittent Duty)
VSWR:	1.2:1
Impedance:	50 Ohms nominal

Mechanical Specifications:

Material:	Elastomer
Connector:	Choice of Mini-UHF, SMA, BNC or TNC
Height:	8.3"
Weight:	5.5 oz.
	2.3"
Base Diameter:	

Mini-U Connector:		
RAF4136AMM	Black Antenna, 806-860 MHz	$47.00

*Manufactured by Motorola Soutions

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SUGGESTED RETAIL

LAIRD MOBILE ANTENNA PRODUCTS
AVAILABLE THROUGH MOTOROLA

MODEL	DESCRIPTION	MSRP
GPS		
RDN9909	GPS Utility Antenna 3/4 Mounting compatible	$80.00
RDF5432	GPS 800 Survivor dual band antenna 806-866MHz w/active GPS	$155.00
RDG4422	GPS active 26dB black antenna with 17' ATX195 cable and 3/4 mounting	$110.00
RDF6010	GPS Tri-band 3 volt internal 824-896/1850-1990 MHz 3.5 dB gain	$135.00
RDF6011	GPS w/quad band 824/896, 880-960, 1710/1880, 1850-1990 MHz with 5 feet of RG174 cable	$95.00
RDF6037	GPS Tri-band 821-896/1850-1990 MHz 3 dB Meg AVL Antenna w/17' RG174 cable	$160.00
Lowband		
RDB4497	27-54 MHz ¼ Wave Stainless Antenna	$120.00
RRDN6837	Wiring Harness for RDB4497A (Q27S) C PL259 Installed	$13.00
RDB4498	40-47 MHz DC Ground base loaded 1/4 wave antenna	$39.00
RDB4520	40-47 MHz DC Ground base loaded 1/4 wave antenna with Spring	$51.00
RDB4499	42-48 MHz Base Loaded Wideband antenna	$69.00
RDB4521	42-48 MHz Base loaded wideband antenna with Spring	$83.00
RDB4524	27-30 MHz Base Loaded Wideband 1/4 wave antenna with Spring	$83.00
RDB4523	30-34 MHz Base Loaded Wideband 1/4 wave antenna with Spring	$83.00
RDB4522	37-46 MHz Base Loaded Wideband 1/4 wave antenna with Spring	$83.00
VHF		
RDD5553	118-896 MHz ¼ Wave Chrome Tunable A-Base Antenna	$18.00
RDD5410	150-174 MHz ¼ Wave Chrome Center Tunable A-Base Whip Antenna	$18.00
RDD5408	150-174MHz ¼ Wave Chrome Center Tunable A-Base Whip Antenna with Spring	$27.00
RDD5559	Commercial Chrome Disguise Antenna 150-174MHz (Cellular Look-alike)	$27.00
RDD5293	Commercial Black Disguise Antenna 150-174MHz 1/4 wave closed collinear	$35.00
RDD5409	132-174MHz 5/8 Wave 3dB Load Coil Tunable Antenna	$37.00
RDD5229	132-525 MHz ¼ wave Broadband Tunable Antenna with Spring	$36.00
RDD5230	144-174 MHz ½ wave No Ground Plane Tunable 2.4 dB Antenna	$36.00
RDD5413	144-174 MHz ½ wave No Ground Plane Tunable 2.4 dB Antenna with Spring	$42.00
RDD5231	144-174 MHz 3dB Base Loaded 5/8 Wave Tunable Antenna	$36.00
RDD5414	144-174 MHz 3dB Base Loaded 5/8 Wave Tunable Antenna with Spring	$46.00
RDD5517	144-174 MHz 3dB Black Base Loaded 5/8 Wave Tunable Antenna	$49.00
RDD5355	132-174MHz End Fed 1/4 Wave Tunable Unity Antenna	$44.00
RDD5232	150-162 MHz Base Loaded 5/8 Wave Wideband 3 dB Antenna	$58.00
RDD5567	150-162 MHz Base Loaded 5/8 Wave Wideband 3 dB Antenna with Spring	$72.00
RDD5423	150-155 MHz White Phantom Elite Antenna	$73.00
RDD5424	150-155 MHz Black Phantom Elite Antenna	$70.00
RDD5227	152-162 MHz ¼ Wave Stainless Antenna	$8.00
RAD4229	162-174 MHz ¼ Wave Stainless Antenna	$8.00
RDD5228	152-162 MHz ¼ Wave Black Antenna	$14.50
RAD4209	142-160 MHz Black Phantom Antenna only	$72.00
RAD4209ARB	142-160 MHz Black Phantom Antenna kit includes 3/4 brass mount and 17' RG58U cable	$92.00
RAD4208	150-168 MHz blk tunable Phantom NMO mtg 60 watts 1 min	$72.00
RAD4208ARB	150-168 blk Phantom ant kit	$92.00
RAD4210	142-160 MHz white tunable Phantom NMO mtg 60 watts	$72.00
RAD4210ARB	142-160 wht Phantom ant kit	$88.00
RAD4207	150-168 MHz white tunable Phantom NMO mtg 60 watts	$72.00
RAD4207ARB	150-168 wht Phantom ant kit	$95.00
200MHz:		
HKAD4002	Kit 216-225 MHz 5/8 wave 3dB & 17ft RG58U w/NMO mnt & Mini UH	$95.00
RDD5357	200-225 MHz tunable 3dB	$36.00
RDD5367	200-225 MHz NGP BASE LD 1/2 wave	$36.00
RDD5386	210-230 MHz Unity Low Pro (Wht)	$75.00
RDD5387	210-230 MHz Unity Low Pro (Blk)	$75.00

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SUGGESTED RETAIL

LAIRD MOBILE ANTENNA PRODUCTS
AVAILABLE THROUGH MOTOROLA

MODEL	DESCRIPTION	MSRP
UHF:		
RDE5689	450-470 MHz 3.5dB closed collinear antenna	$29.00
RDE5765	450-470 MHz Unity A-Base w/Spring Antenna	$27.00
RDE5691	450-470 MHZ 1/2 WAVE NGP BASE LD	$32.00
RDE5783	450-470 MHZ 1/2 WAVE NGP BASE LD w/Sprng	$42.00
RDE5487	450-470 MHz 3dB Base Loaded 5/8 Wave	$31.00
RDE5784	450-470 MHz 3dB BASE LD w/Spring	$41.00
RDE5488	450-470 MHz 5dB 5/8 Wave Closed Collinear	$39.00
RDE6100	NGP CLSD COIL COLIN 450-470 MHZ 5DB	$48.00
RDE5690	450-470 MHZ 5DB REPLACEMENT ROD (for RDE5488A)	$19.00
RDE5785	450-470 MHz 5dB Closed Collinear with Spring	$50.00
RDE5704	470-490 MHz 5dB OVER 5/8 Wave Clsd Coil Collinear	$39.00
RDE5489	440-470 MHz 5 dB 5/8 Over 5/8 Wide Band Closed Collinear	$62.00
RDE6099	5DB WIDEBND REPLACE ROD 440-470 MHZ	$33.25
RDE6075	410-425 3dB Phantom Elite White	$41.00
RDE5797	450-470 MHz 3dB Phantom Elite White	$40.00
RDE5961	470-490 MHz 3dB Phantom Elite Wht	$41.00
RDE6076	410-425 3dB Phantom Elite Black	$41.00
RDE5798	450-470 MHz 3dB Phantom Elite Black	$41.00
RDE5632	450-470 MHz 1/4 Wave Ant w/NMO & 17' RG58AU/mini-u	$25.00
RDE5693	406-430 1/4 Wave Mag Mnt Low Loss w/BNC	$49.50
RDE5628	485-495 MHz 5dB w/mag mount, 17' RG58AU/mini-u	$165.00
RDE5485	450-470 MHz ¼ Wave Stainless Antenna	$8.00
RDE5486	450-470 MHz ¼ Wave Black Antenna	$14.00
RAE4162	410-425 3dB wht Phantom 3/4 mount	$40.00
RAE4162ARB	410-425 wht Phantom ant kit	$59.00
RAE4165	430-450 3dB wht Phantom 3/4 Mount	$41.00
RAE4165ARB	430-450 wht Phantom ant kit	$58.00
RDE6101	450-470 Wht Phantom Unity gain NGP	$45.00
RAE4167	450-470 MHz 3dB black Phantom NMO 3/4 Mount	$41.00
RAE4167ARB	450-470 wht Phantom ant kit	$58.00
RDE5514	450-470 MHz 3dB white Phantom with 5/8" Stud Permanent Mount N female	$63.00
RAE4169	470-490 3dB Phantom 3/4 MOUNT	$41.00
RAE4169ARB	470-490 wht Phantom ant kit	$58.00
RAE4163	BLK 410-425 3dB Phantom 3/4 MT	$42.00
RAE4163ARB	410-425 blk Phantom ant kit	$61.00
RAE4164	BLK 430-450 3dB Phantom 3/4 MT	$42.00
RAE4164ARB	430-450 blk Phantom ant kit	$61.00
RAE4168	450-470 MHz 3dB black Phantom NMO 3/4 Mount	$42.00
RAE4168ARB	450-470 blk Phantom ant kit	$61.00
RAE4166	BLK 470-490 3dB Phantom 3/4 MT	$42.00
RAE4166ARB	470-490 blk Phantom ant kit	$61.00
700MHz:		
RDF5636	749-796 MHz 3 dB Base Load 5/8 wave	$16.00
RDF5637	749-796 MHz 5 dB closed collinear 5/8 wave over 5/8 wave	$20.50
RDF5752	746-796 MHz 3dB Low Pro Blk	$18.50
RDF5753	746-796 MHz 3dB Low Pro Wht	$18.50
RDF6048	760-870 MHz 3 dB MEG white Phantom antenna for NMO mount (mount not included)	$21.00
RDF6049	760-870 MHz 3 dB MEG black Phantom antenna for NMO mount (mount not included)	$21.00

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SUGGESTED RETAIL

LAIRD MOBILE ANTENNA PRODUCTS
AVAILABLE THROUGH MOTOROLA

MODEL	DESCRIPTION	MSRP
800MHz:		
RDF5433	806-896 MHz 3dB Chrome Open Collinear A-Base	$22.00
RDF5434	806-896 MHz 3.5DB Closed Collinear A BASE	$27.00
RDF5435	806-896 3DB open collinear A-Base w/Spring	$32.00
RDF5885	806-896 3.5dB Closed Collinear A Base BLK	$40.00
RDF5666	806-866 MHz 2.4dB Gain NGP Base Load	$30.00
RDF5440	806-866 MHz 3dB Base Loaded 5/8 Wave	$27.00
RDF5803	806-896 MHz 3dB Elev. Feed Opn Col.	$86.00
RDF5723	806-866 MHz 3dB Phantom Elite White	$38.00
RDF5724	806-866 MHz 3dB Phantom Elite Black	$38.00
RDF5744	890-960 MHz 3dB Phantom Elite (Blk)	$38.00
RDF5429	890-960 3dB w/Mag mnt 90Lb 3/4 20ft LMR195 & Mini UHF conn installed	$95.00
RDF5436	806-896 MHz ¼ Wave Stainless Antenna	$8.00
RDF5439	806-866 MHz 3dB Stainless Open Coil Flexible Antenna	$12.00
RDF5745	896-970 MHz 3dB gain flex antenna only	$12.00
RDF5437	806-896 MHz ¼ Wave Black Antenna	$14.00
RDF5438	806-866 MHz 3dB Black Open Coil Flexible Antenna	$19.00
RDF5746	896-970 MHz 3dB gain flex black antenna only	$19.00
RAF4220	806-866 MHz 3dB white Phantom NMO 3/4 Mount	$38.00
RAF4220ARB	806-866 wht Phantom ant kit	$59.00
RDF5710	806-866 MHz 3dB NGP white Phantom Antenna	$65.00
RDF5658	806-866 MHz 3dB Phantom Perm Mnt (Wht)	$65.00
RAF4217	821-896 MHz 3dB white Phantom NMO 3/4 Mount	$37.00
RAF4217ARB	821-896 3 dB wht Phantom ant kit	$59.00
RDF5660	821-896 MHz 3dB Phantom Perm Mnt (Wht)	$65.00
RDF5626	890-960 MHz 3dB Phantom, White	$38.00
RAF4219	806-866 3dB black phantom 3/4 MT	$37.00
RAF4219ARB	806-866 blk Phantom ant kit	$59.00
RDF5659	806-866 MHz 3dB Phantom Perm Mnt (Blk)	$65.00
RAF4218	821-896 3dB MEG black Phantom antenna	$38.00
RAF4218ARB	821-896 3 dB blk Phantom ant kit	$59.00
RDF5661	821-896 MHz 3dB Phantom Perm Mnt (Blk)	$65.00
RDF5627	890-960 MHz 3dB Phantom, Black	$38.00
RDF6026	806-866 MHZ BASE LOADED 5DB ANT	$42.00
RDF6045	800 MHZ ELEVATED FEED CLSD COIL ANT	$85.00
Misc:		
RDF5617	118-970 MHz ¼ Wave Stainless Field Tunable Antenna	$9.50
RDF5657	118-970 MHZ ¼ Wave Black Field Tunable Antenna	$16.00
RDH4276	2400-2500 GHz 3dB white Phantom NMO Mount	$38.00
RRDN4948	49in TAPERED SS WHIP W/BALL	$8.00
RDG4479	821-896/1850-1990 MHz 3dB Dual Band white Phantom Antenna	$58.00
RDG4480	821-896/1850-1990 MHz 3dB Dual Band black Phantom Antenna	$58.00
RDG4522	Elite 821-896/1850-1990MHz 3dB dual blk permanent mount	$85.00
RDE5845	150-174/450-470 MHz 2dB/5dB Clsd Col.	$50.00
RDE5846	150-174/450-470 MHz 2dB/5dB Clsd Col w/Sprg	$60.00
RDF6017	Multi-Band Phantom Black NMO GPS/806-896/896-960/1710-1880/1850-1990/1900 -2170MHz/2.4-2.5GHz	$58.00
RDF6018	Multi-Band Phantom White NMO GPS/806-896/896-960/1710-1880/1850-1990/1900 -2170MHz/2.4-2.5GHz	$58.00
RDF6031	764-870 MHz 3dB Base Load 5/8 wave	$32.00
RDH4464	MW WLAN 2.4Ghz Elite Wht	$84.00
RDH4465	MW WLAN 2.4Ghz Elite Blk	$84.00
RRDN7250	AC NOISE SUPPRESSOR 15A	$28.00
RRDN7251	AC NOISE SUPPRESSOR 30A	$40.00

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SUGGESTED RETAIL

LAIRD MOBILE ANTENNA PRODUCTS
AVAILABLE THROUGH MOTOROLA

MODEL	DESCRIPTION	MSRP
Mounting Equipment:		
RAN4046	N-male to UHF-Female connector	$6.25
RRDN5481	MAG MNT 20FT RG58 BNC Conn	$38.00
RRDN6984	3/4 MAG MT 90LB 12'58A/U MU CRP IN	$36.00
RRDN7253	MAG MT 3/4 90LB 8'RG58U NO CONN	$37.00
3080384M45	MAG 3/4IN 90LB 12FT 58U CRMP MU	$38.00
RRDN5629	Mag Mt 3/4" Chrome 90lb w/20' RG58U crimp MU	$45.00
RRDN5776	3/4" Blk Mag Mnt w/25' RG58, BNC	$44.00
3080384M44	BL MAG 3/4 90LB 12'58U CMP MU	$45.00
RRDN4926	BLK MAG MT 12FT 58U CMP PL	$47.00
RRDN7206	MINI-MAG MT CHROME 25' RG58AU PL259 INSTALLED	$36.00
RAN4050	CHROME MAG 12'58AU BOOT	$35.00
RRDN7247	RUBBER BOOT FOR MAGNETIC MOUNT	$3.20
RRDN6020	1" Thick Rf Mnt w/12'RG58 w/mini-uhf	$41.00
RRDN6107	Mir Mnt Brkt, 3/4in Mnt, 17ft cbl Blk	$24.00
RRDN6108	Mir Mnt Brkt, 3/4in Mnt, 17ft cbl Chr	$24.00
RRDN4929	3/4IN L-BRACKET FOR TRUNK GROOVE (chrome)	$4.25
RRDN5432	3/4IN L-BRACKET FOR TRUNK GROOVE (black)	$5.50
RAN4048	3/8 BR MT 17'58U CMP TNC	$18.00
RRDN4928	3/8" BRASS THICK MOUNT	$17.00
RRDN7248	3/8 BRASS THICK PLANE MOUNT ONLY	$7.50
RRDN6798	¾" or 3/8" Hole up to ½ inch thick plate mount with 17' RG58A/U cable - No Connector	$24.00
RDN9908	3/4IN BRS MT 17FT LMR195 SM	$45.00
RRDN4927	¾" Hole Brass NMO Mount with 17' RG58A/U cable - No Connector	$15.00
RRDN6794	3/4 IN BRASS MT 25' 58AU NO CONNECTOR	$18.00
RRDN5777	3/4" Rf Mnt w/25' RG58, BNC	$21.00
RRDN5461	¾" Hole Brass NMO Mount with 17' RG58A/U cable - with mini-UHF connector (not attached)	$18.00
RRDN6063	¾" Hole Brass NMO Mount with 17' RG58A/U cable – with PL259 Connector (not attached)	$18.00
RRDN6946	¾" Hole Brass NMO Mount with 17' RG58U cable – no connector	$15.00
3080384M48	¾" Hole Brass NMO Mount with 17' RG58U cable – with mini-UHF connector (not attached)	$18.00
RRDN5377	3/4" Brass Mount, 25' RG58 w/mini-u connector	$20.00
RRDN6945	¾" Hole Brass NMO Mount with 17' RG58U cable – with PL259 Connector (not attached)	$18.00
RRDN5422	VHF/UHF MOBILE TO BASE ADAPTER KIT	$30.00
RRDN6872	M-B CONV 800+ WALL MT 3/4-3/8 THK N	$33.00
RRDN6847	Mobile-to-Base Converter for VHF and UHF, N Terminated	$32.00
RRDN5628	¾" Hole Brass NMO Mount with 17' Teflex – no connector	$22.00
RRDN5705	3/4" Brss Rf Mntw/17' Teflex,mini-u	$25.00
RAN4053	Brass locknut and O-ring for 3/4" hole mount	$3.10
RAN4052	¾" Hole Brass Mount for use with RG58 size cable (not included) no connector	$7.50
RAN4049	¾" Hole Mount O-ring 6-pack	$1.10
RRDN6846	3/8 Snap-in Ground Plane Mount w/No conn	$20.00
RAN4051	3/4IN HOLE PLUGS 6 PACK	$1.75
RRDN7132	Chrome Quarterwave Nut	$4.00
RRDN6848	Quarterwave Chrome Rain Cap for NMO Mount	$3.00
RRDN6849	Quarterwave Black Rain Cap for NMO Mount	$4.00
RRDN7252	SHOCK SPRING	$10.50
3080384M46	MINI TRNKMT 17'RG58U MINI CRIM	$28.00
3080384M47	BLK MIN TRNK MT 17FT 58U C MU	$32.00
RRDN5431	Drop Ceiling Adapter for Permanent Mount Phantoms w/Ground Plane (Wht)	$35.00
RRDN7249	EXTRA THICK PLATE MOUNT KIT	$24.25
RRDN7246	800 MHZ EXTRA THICK PLATE MOUNT KIT	$29.25

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SUGGESTED RETAIL

NON-CURRENT TRUNKING
PORTABLE ACCESSORIES

MTX850/MTX950/ MTX8250/MTX9250	MTX850-LS/ MTX8250-LS	MODEL NUMBER	DESCRIPTION	MSRP
INTRINSICALLY SAFE (FM): JMNN4025_R (H236), PMNN4019_R (H236), HNN9010_R (Q390), and HNN9011_R (H236) are rated Intrinsically Safe for use in Division 1, Classes I, II, III, Groups C, D, E, F and G.				
		Antennas:		
X	X	8505241U03	806-870 MHz Whip Antenna	$35.75
X	X	8505241U06	806-941 MHz 1/4 Wave Stubby Antenna	$25.50
X		8505241U04	896-941 MHz 1/2 Wave Whip Antenna	$35.75
		Batteries:		
X	X	HNN9008_R	NiMH, 1500 mAh, 7.5V Battery (Resale Packaging available through RPSD)	$64.00
X	X	HNN9010_R	NiMH, 1800 mAh, 7.5V Battery - Intrinsically Safe (FM)	$115.00
X	X	HNN9009_R	NiMH, 1900 mAh, 7.5V Battery	$75.00
X	X	HNN9011_R	NiCd, 1200 mAh, 7.5V Battery - Intrinsically Safe (FM)	$111.00
X	X	HNN9012_R	NiCd, 1300 mAh, 7.5V Battery (Resale Packaging available through RPSD)	$65.00
X	X	HNN9013_R	Li-ion, 1500 mAh, 7.5V Battery (Resale Packaging available through RPSD)	$100.00
X	X	NNTN5332	Disposable Clamshell Battery (requires (12) Alkaline Batteries. (Batteries and Belt Clip NTN8266 Sold Separately)	$80.00
		Battery Maintenance Systems (BMS):		
X	X	WPLN4079_R	Battery Maintenance System Plus (BMS+) - 110 Volt AC, 50/60 Hz - Six Station Reconditioner. Using interchangeable adapter plates (sold separately), the BMS+ is capable of charging and discharging, analyzing, conditioning, cycle testing, and more. Supports NiCd, NiMH and Li-ion battery chemistries.	$650.00
X	X	NDN4005	Battery Maintenance System (BMS) - 110 Volt AC, 50/60 Hz - Three Station Reconditioner. Supports NiCd and NiMH batteries (adapters sold separately).	$499.00
X	X	WPPN4079_R	BMS Battery Adapter (for use with NiCd & NiMH batteries)	$80.00
X	X	WPPN4080_R	BMS Battery Adapter (for use with NiCd, NiMH & Li-ion batteries)	$120.00
		IMPRES™: *The IMPRES smart energy system ensures maximum talk-time and optimized battery cycle life through the use of its advanced charging technology and automatic reconditioning features, when used with IMPRES batteries.*		
X	X	HNN4002	IMPRES™, NiMH, 1700 mAh, 7.5V Battery - Intrinsically Safe (FM)	$125.00
X	X	HNN4001	IMPRES™, NiMH, 1800 mAh, 7.5V Battery	$82.00
X	X	HNN4003	IMPRES™, Li-ion, 2000 mAh, 7.5V Battery	$108.00
		Call Boxes:		
Allows for integration into most existing radio systems and provides direct access to personnel connected to the system. Allows for expansion of security coverage to help improve response time without the need for additional personnel. Includes voice instruction message for the user, automatic call box ID and user location identifiers, a courtesy light, easy push-to-talk operation, a silent tamper alert broadcast to security, low battery alert, 40-day standby battery capacity, one 12-volt, 12 amp/hour rechargeable battery, call box keys and tamper resistant screw bits. Price does not include radio or installation. Remote speaker microphone cable and BNC antenna adaptor for the particular radio model must be supplied by the reseller.				
		A1 Call Boxes - Field programmable. Mounts on a wall, or on a PVC or aluminum stanchion. Solar or AC/DC power. The .090 thick aluminum enclosure with white powder coat measures 13"H x 9.5"W x 6.5"D. Provides protection against dust and falling rain. For indoor and outdoor use. Includes antenna and set of small reflective decals.		
X	X	RRDN4362	Solar Powered	$2,585.00
X	X	RRDN4363	AC/DC Powered	$2,350.00
X	X	RRDN4364	Solar Powered with PVC Stanchion	$2,850.00
X	X	RRDN4365	Solar Powered with Aluminum Stanchion	$3,175.00
X	X	RRDN4366	AC/DC Powered with Aluminum Stanchion	$2,975.00
		A106.5 Call Boxes - Freestanding. Solar or AC/DC power. The .090 thick, white powder-coated aluminum box measures 6.5' H x 10" W x 5" D. Includes antenna and choice of reflective vinyl message decal.		
X	X	RRDN4588	Solar Powered	$1,999.00
X	X	RRDN4589	AC/DC Powered	$1,969.00
		A1410 Call Boxes - Self-standing. The .090 thick aluminum stanchion with white powder coat measures 10'H x 14"W x 7.5"D. Thick, clear Lexan faceplate cover and includes an activation ringer, antenna and set of large reflective decals. 10 watt solar panel provides additional charging power to allow the beacon/locator light to function 24 hours a day.		
X	X	RRDN4369	Solar Powered	$3,185.00
X	X	RRDN4370	AC/DC Powered	$2,900.00
X	X	RRDN7782	A1410 Solar w/o Base Pedestal, with Public Address System (PA)	$3,745.00
		A144 Call Boxes - Flexibility. Can be wall or pole mounted for convenient accessibility. The .090 thick, white, powder-coated aluminum enclosure measures 4' H x 14" W x 7.5" D. Includes a 6-watt locator LED that converts to a strobe light when callbox is activated. Comes standard with a 10-watt solar panel and choice of large reflective vinyl message decal.		
X	X	RRDN4590	Solar Powered	$2,995.00
X	X	RRDN4591	AC/DC Powered	$2,895.00
		A1510 Call Boxes		
X	X	RRDN7777	Solar w/o Base Pedestal	$3,445.00
X	X	RRDN7778	Solar w/o Base Pedestal, with Public Address System (PA)	$4,000.00
		RRDN7779	AC/DC w/o Base Pedestal	$3,345.00
X	X	RRDN7780	AC/DC w/o Base Pedestal, with Public Address System (PA)	$3,910.00
X	X	RRDN7781	A1510 Base Pedestal	$348.00

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SUGGESTED RETAIL

NON-CURRENT TRUNKING
PORTABLE ACCESSORIES

MTX850/MTX950/ MTX8250/MTX9250	MTX850-LS/ MTX8250-LS	MODEL NUMBER	DESCRIPTION	MSRP
		Call Boxes (continued:		
		ACB Call Boxes - Push-to-talk communication. No door to open. The indoor/outdoor wall mount aluminum enclosure is .090 thick with white powder coat. It measures 20"H x 14"W x 7.5"D with a thick, clear Lexan face-plate cover. Includes activation ringer, antenna and set of small reflective decals.		
X	X	RRDN4367	Solar Powered	$2,695.00
X	X	RRDN4368	AC/DC Powered	$2,550.00
		Carry Cases:		
X	X	HLN9652	Leather Case with Belt Loop (MTX850, MTX950 & MTX850•LS - for use with Li-ion non-IMPRES Batteries)	$51.00
X	X	HLN9665	Leather Case with Belt Loop (MTX850, MTX950 & MTX850•LS - for use with NiMH & NiCd non-IMPRES Batteries & all IMPRES Batteries)	$51.00
X	X	HLN9670	Leather Case with Swivel (MTX850, MTX950 & MTX850•LS - for use with Li-ion non-IMPRES Batteries)	$59.00
X	X	HLN9676	Leather Case with Swivel (Resale Packaging available through RPSD) (MTX850, MTX950 & MTX850•LS - for use with NiMH & NiCd non-IMPRES Batteries and all IMPRES Batteries)	$59.00
X	X	HLN9677	Leather DTMF Case with Belt Loop (MTX8250, MTX9250 & MTX8250•LS - for use with Li-ion Batteries)	$51.00
X	X	HLN9689	Leather DTMF Case with Belt Loop (MTX8250, MTX9250 & MTX8250•LS - for use with NiMH & NiCd Batteries)	$51.00
X	X	HLN9690	Leather DTMF Case with Swivel (MTX8250, MTX9250 & MTX8250•LS - for use with Li-ion Batteries)	$59.00
X	X	HLN9694	Leather DTMF Case with Swivel (MTX8250, MTX9250 & MTX8250•LS - for use with NiMH & NiCd Batteries)	$59.00
X	X	HLN9701	Nylon Case with Belt Loop (Resale Packaging available through RPSD)	$24.00
X	X	HLN9714	2.5" Spring Action Belt Clip	$11.00
X	X	HLN7020	Carry case strap adapter to allow public safety microphone to fit properly when using a carry case	
		Chargers & Accessories:		
X	X	AAHTN3000	120 Volt - Single Unit Rapid Rate Charger	$56.75
X	X	HLN9793	Charger Insert Spacer - Compatible with "A" version chargers ONLY	$6.30
X	X	HLN9794	Charger Insert Spacer - Compatible with "B", "C" & "D" version chargers ONLY	$6.30
X	X	NLN7967	Wall Mount Kit for Multi-Unit Charger	$21.00
X	X	NNTN7618	IMPRES Vehicular Charger (Hard Install)	$380.00
X	X	RL-76345	Adapter Plate BOS I	$115.00
X	X	RLN4883	Travel Charger (includes voltage regulated lighter adapter, custom charger base, coil cord and mounting bracket)	$89.25
X	X	WPLN4124_R	Battery Optimizing System II (BOS II) - 90-240 Volt AC, 50/60 Hz, 4 Station Reconditioner. Provides powerful analyzing and reconditioning features. Includes 12 resident programs, a QuickTest™ diagnostic battery state of health program, programmable adapter plates, and much more. Supports NiCd, NiMH, Li-ion and SLA batteries.	$2,106.00
		Conditioning Chargers:		
X	X	3080384G15	Cigarette Lighter Adapter for Single & Multi Unit Motorola Conditioning Chargers	$7.00
X	X	RLN4814	Vehicular Mounting Bracket - includes hard wire cable with In-Line fuse for use with single unit Motorola Conditioning Chargers	$35.00
X	X	WPLN4107_R	Motorola Conditioning Charger - Single Unit - includes charger base, removable adapter plate and transformer, 1-2 hour rapid charge.	$70.00
X	X	WPPN4065_R	Motorola Conditioning Charger - Four-Station - 110 Volt, Base only, requires adapter plates (sold separately)	$399.00
X	X	WPPN4082_R	Adapter Plate Only (for use with Motorola Conditioning Chargers)	$15.00
		IMPRES™: *The IMPRES smart energy system ensures maximum talk-time and optimized battery cycle life through the use of its advanced charging technology and automatic reconditioning features, when used with IMPRES batteries.*		
X	X	RLN5382	IMPRES™, Charger Display Module - retrofitable on IMPRES™ Multi Unit Chargers	$95.00
X	X	WPLN4182	IMPRES™, Single Unit Charger	$62.50
X	X	WPLN4187	IMPRES™, Multi Unit Charger	$495.00
X	X	WPLN4192	IMPRES™ Multi Unit Charger with Display Modules - displays real-time for IMPRES™ batteries - mAh, % capacity, time remaining to rapid charge complete, battery s/n, charge status, voltage, kit number, expected full charge capacity & more.	$650.00
X	X	AARLN4885	Receive-Only Foam Earbud with 3.5mm plug - (for use with AAHMN9053) - Intrinsically Safe (FM)	$25.00
X	X	AARMN4021	Receive-Only Earpiece without Volume Control, Beige - Intrinsically Safe (FM)	$45.00
X	X	AARMN4022	2-Wire Surveillance Kit with Microphone & PTT Combined, Beige - Intrinsically Safe (FM) - (Resale Packaging available through RPSD)	$100.00
X	X	AARMN4028	Receive-Only Earpiece without Volume Control, Black - Intrinsically Safe (FM) - (Resale Packaging available through RPSD)	$45.00
X	X	AARMN4029	2-Wire Surveillance Kit with Microphone & PTT Combined, Black - Intrinsically Safe (FM)	$100.00
X	X	ENMN4013	Flexible Ear Receiver (flexible earloop & speaker that rests external to the ear) - Intrinsically Safe (FM)	$60.00
X	X	ENMN4014	3-Wire Surveillance Kit with Microphone & PTT Separate, Black - Intrinsically Safe (FM)	$165.00
X	X	ENMN4017	3-Wire Surveillance Kit with Microphone & PTT Separate, Beige - Intrinsically Safe (FM)	$165.00
X	X	RLN4760	Small Custom Earpiece, Right Ear (for use with RLN6232)	$20.50
X	X	RLN4761	Medium Custom Earpiece, Right Ear (for use with RLN6232)	$20.50
X	X	RLN4762	Large Custom Earpiece, Right Ear (for use with RLN6232)	$20.50
X	X	RLN4763	Small Custom Earpiece, Left Ear (for use with RLN6232)	$20.50

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SUGGESTED RETAIL

NON-CURRENT TRUNKING
PORTABLE ACCESSORIES

MTX850/MTX950/ MTX8250/MTX9250	MTX850-LS/ MTX8250-LS	MODEL NUMBER	DESCRIPTION	MSRP
		Earpieces:		
X	X	RLN4764	Medium Custom Earpiece, Left Ear (for use with RLN6232)	$20.50
X	X	RLN4765	Large Custom Earpiece, Left Ear (for use with RLN6232)	$20.50
X	X	RLN4922	Completely Discreet Earpiece Kit - must be used with any standard 2 or 3-wire surveillance kit	$340.00
X	X	RLN4941	Receive-Only Earpiece with translucent tube, rubber eartip and 3.5mm plug (for use with the Remote Speaker Microphone or Public Safety Microphone)	$58.00
X	**X**	RLN5315	2-Wire Comfort Earpiece with Combined Microphone and PTT, Black Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise enhancement (RLN6232) already attached for extra comfort and convenience.	$108.00
X	**X**	RLN5316	2-Wire Comfort Earpiece with Combined Microphone and PTT, Beige Surveillance Kits with Extended-Wear Comfort Earpieces include a Low Noise enhancement (RLN6232) already attached for extra comfort and convenience.	$108.00
X	**X**	RLN6230	Extreme Noise Kit - Includes 2 foam earplugs. For High Noise Environments. Noise Reduction = 24dB. The Quick Disconnect Adapter allows users to easily remove or alternate Acoustic Tubes (for use with Surveillance Accessories). Black	$32.00
X	**X**	RLN6231	Extreme Noise Kit - Includes 2 foam earplugs. For High Noise Environments. Noise Reduction = 24dB. The Quick Disconnect Adapter allows users to easily remove or alternate Acoustic Tubes (for use with Surveillance Accessories). Beige	$32.00
X	**X**	RLN6232	Low Noise Kit - Clear Acoustic Tube Assembly includes 1 Clear Rubber Eartip. For Low Noise Environments. The Quick Disconnect Adapter allows users to easily remove or alternate Acoustic Tubes (for used with Surveillance Accessories). Black	$20.00
X	**X**	RLN6241	Low Noise Kit - Clear Acoustic Tube Assembly includes 1 Clear Rubber Eartip. For Low Noise Environments. The Quick Disconnect Adapter allows users to easily remove or alternate Acoustic Tubes (for used with Surveillance Accessories). Beige	$20.00
X	**X**	RLN6242	Quick Disconnect Acoustic Tube Replacement (each sold separately)	$7.90
X	**X**	WADN4190	Receive-Only Flexible Ear Receiver to be used with the Remote Speaker Microphone or Public Safety Microphone - Intrinsically Safe (FM)	$43.00
		General Accessories:		
X	**X**	HLN9820	Accessory Dust Cover	$6.60
X	**X**	RLN4890	Assistive Turning Knobs	$15.75
		Headsets & Accessories:		
X	X	AARMN4017	Ultra-Light Headset with Boom Microphone, Earbud Style Receiver - Intrinsically Safe (FM)	$55.00
X	X	AARMN4018	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone and In-Line PTT - Intrinsically Safe (FM) (Resale Packaging available through RPSD)	$100.00
X	X	AARMN4019	Medium Weight over-the-head Dual Muff Headset with Noise Cancelling Microphone & In-Line PTT - Noise Reduction Rating = 24dB - Intrinsically Safe (FM)	$265.00
	X	AARMN4020	Push-to-Talk or (VOX) Voice Activated Heavy Duty Dual Muff Headset with Noise Cancelling Microphone and PTT on Earcup, Noise Reduction Rating = 24dB - Intrinsically Safe (FM) (VOX operational only on conventional channel)	$525.00
X	X	AARMN4031	Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone - Intrinsically Safe (FM)	$65.00
X	X	AARMN4032	Medium Weight over-the-head Dual Muff Headset with Noise Cancelling Microphone - Noise Reduction Rating = 24dB - Intrinsically Safe (FM)	$240.00
X	**X**	ENMN4012	Ultra-Light Headset, behind-the-head with In-Line PTT and Boom Microphone - Intrinsically Safe (FM)	$110.00
X	**X**	ENMN4016	Medium Duty Headset, behind-the-head, with In-Line PTT & Noise Cancelling Boom Microphone, Noise Reduction Rating = 24dB - Intrinsically Safe (FM)	$270.00
X	X	RKN4097	In-Line PTT Adapter Cable (for use w/RMN4051, RMN4052 & RMN4053 Headsets)	$199.00
X	X	RMN4048	Temple Transducer - Receive audio without covering the ear; behind-the-head style headset allows user to receive audio through the temples. Headset features a noise cancelling boom microphone and In-Line PTT - Intrinsically Safe (FM)	$175.00
X	X	RMN4051	2-Way Hard-Hat Mount Headset, Black - Noise Reduction Rating = 22dB (requires RKN4097 or RKN4094)	$299.00
X	X	RMN4052	Tactical Headband - Style Headset, Gray - Noise Reduction Rating = 24dB (requires RKN4097 or RKN4094)	$388.33
X	X	RMN4053	Tactical Hard - Hat Mount Headset, Gray - Noise Reduction Rating = 22dB (requires RKN4097 or RKN4094)	$388.33
X	X	RKN4091	Adapter Cable for Racing Headset (for use with RMN5015)	$140.00
X	X	RMN5015	Racing Headset - Same headset worn by pit crews on the CART racing circuit. Heavy Duty, behind-the-head (can be worn with hardhat) Headset with Noise Cancelling Swivel Boom Microphone. Noise Reduction Rating = 24dB (adapter cable required and sold separately)	$500.00
X	X	RMN5048	Rugged Temple Transducer - Fully adjustable over-the-head style headset allows user to receive audio through the temples. Headset comes with a larger In-Line PTT and a larger noise canceling boom microphone than the standard model - Intrinsically Safe (FM)	$290.00
		Microphones:		
X	**X**	3015829H01	Replacement Cable for Remote Speaker Microphone (PMMN4021)	$35.00
X	**X**	3015829H02	Replacement Cable for Remote Speaker Microphone (PMMN4027)	$35.00

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SUGGESTED RETAIL

NON-CURRENT TRUNKING
PORTABLE ACCESSORIES

MTX850/MTX950/ MTX8250/MTX9250	MTX850-LS/ MTX8250-LS	MODEL NUMBER	DESCRIPTION	MSRP
		Microphones (continued):		
X	X	PMMN4021	Remote Speaker Microphone with Ear Jack, Coiled Cord and Swivel Clothing Clip - Intrinsically Safe (FM)	$66.25
X	X	PMMN4027	Remote Speaker Microphone with IP57 Rating, Coiled Cord and Swivel Clothing Clip - Intrinsically Safe (FM)	$69.00
X	X	PMMN4039	Noise Cancelling Remote Speaker Microphone with Coiled Cord, Swivel Clothing Clip and 3.5mm Audio Jack - Intrinsically Safe (FM)	$75.00
X	X	PMMN4044	Remote Speaker Microphone with Volume, IP57 - Intrinsically Safe (FM)	$110.00
		CommPort: *Integrated Microphone/Receiver: CommPort Integrated Microphone/Receiver System is a communication device that is intelligible in high noise levels up to 100dB. This device's acoustic technology does not rely on bone conduction for communication.*		
X	X	NKN6508	Replacement Cable for NTN1722 & NTN1625	$34.50
X	X	NKN6510	Replacement Palm PTT Cable for NTN1624 & NTN1723	$53.00
X	X	NKN6525	Replacement Snap-on-Side PTT Cable for NTN1737	$75.00
X	X	NNTN4187	Integrated Microphone Receiver with Remote Push-to-Talk Body Switch - Intrinsically Safe (FM)	$485.00
X	X	NNTN4188	Replacement Remote PTT Body Switch	$180.00
X	X	NTN1722	Integrated Ear Microphone & Receiver System with PTT on Radio Adapter - Intrinsically Safe (FM)	$344.00
X	X	NTN1724	Integrated Ear Microphone & Receiver System with Ring PTT - Intrinsically Safe (FM)	$370.00
X	X	NTN1737	Integrated Ear Microphone & Receiver with Snap-on-Side PTT - Intrins. Safe (FM)	$378.00
X	X	NTN8821	CommPort Maintenance Kit - includes Replacement Ear Tubes (qty 10), Windscreens (qty 2) and Microphone Seal Strips (qty 10)	$46.00
X	X	NTN8986	Adhesive Pads (qty 90) for secure attachment to the ear	$23.00
X	X	NTN8988	Ear Straps (qty 10) for secure attachment to the ear	$17.25
X	X	RLN5037	Replacement Ear Tubes (qty 10)	$26.00
		Ear Microphones:		
X	X	0180300E83	Body Switch Push to Talk for Ear Microphone System - Intrinsically Safe (FM)	$159.00
X	X	0180358B38	Finger Push to Talk Switch for Ear Microphone System - Intrinsically Safe (FM)	$52.50
X	X	BDN6641	Ear Microphone, Gray (for high noise levels up to 105dB) - req. Interface Module Intrinsically Safe (FM). ***NOTE: Only for use with AARMN4044 &AARMN4045***	$247.00
X	X	BDN6677	Ear Microphone, Black (for noise levels up to 95dB) - requires Interface Module Intrinsically Safe (FM). ***NOTE: Only for use with AARMN4044 &AARMN4045***	$198.00
X	X	BDN6678	Ear Microphone, Beige (for noise levels up to 95dB) - requires Interface Module Intrinsically Safe (FM). ***NOTE: Only for use with AARMN4044 &AARMN4045***	$198.00
X	X	BDN6768	Ear Microphone, Black (for noise levels up to 95dB) - requires Interface Module Intrinsically Safe (FM). ***NOTE: Only for use with RMN5117 & JMMN4064***	$198.00
X	X	BDN6769	Ear Microphone, Beige (for noise levels up to 95dB) - requires Interface Module Intrinsically Safe (FM). ***NOTE: Only for use with RMN5117 & JMMN4064***	$198.00
X	X	BDN6770	Ear Microphone, Gray (for high noise levels up to 105dB) - req. Interface Module Intrinsically Safe (FM). ***NOTE: Only for use with RMN5117 & JMMN4064***	$247.00
X	X	RMN5117	Interface Module for PTT or VOX Operation - Intrinsically Safe (FM)	$347.00
		Retrofit Boards:		
	X	AAHLN9725	Voice Storage Option Board - Field Install Only	$74.75
		Service Equipment: *Pricing for service parts can be found on MOL or by contacting Customer Service*		
X	X	AA0180305G54	Battery Eliminator Cable (requires RLN4510 - 7.5 V)	Call for pricing
X	X	AARKN4074	Programming & Test Cable - Programming cables require a Radio Interface Box (RIB),	Call for pricing
X	X	H5177	Portable & Mobile Programming Software Plus (CPS+) - 3 Year Subscription Package - HVN9025 includes CPS/PPCPS (PassPort® Customer Programming Software), CPS tutorial, reflashing tool and freq. finder application for the HT, EX, CDM & MTX•LS Series. HVN9067 for MTX Series Privacy Plus - includes HT & MTX Series Programming & Test Cable (AARKN4074). Also is compatible with RLN4460 used for radio testing. (HVN9025 is compatible with Windows® 95/98/2000 (SP3 or later version) / Millennium (ME) / Windows NT®. HVN9067 is compatible with Windows® 95/98/Windows NT®.) A Mobile Programming Cable (AARKN4074 or AARKN4083) must be purchased separately. ***Note: Software requires a license agreement and is not intended for resale.***	Call for pricing
X	X	RKN4075	Ribless Programming Cable - provides interface between computer and radio - (not compatible with RIB) (Multi-Language Manual)	Call for pricing
X	X	RLN4510	7.5 Volt Universal Battery Eliminator	Call for pricing
		User Manuals:		
X	X	6880906Z54-D	HT750, HT1250, HT1250•LS+, HT1550•XLS, MTX850, MTX950, MTX8250, MTX9250, MTX850•LS & MTX8250•LS Basic Service Manual	$11.00
X	X	6881088C46-E	HT750, HT1250, HT1250•LS+, HT1550•XLS, MTX850, MTX950, MTX8250, MTX9250, MTX850•LS & MTX8250•LS Detailed Service Manual	$27.00

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PRODUCT COMPARISON MATRIX
Analog Portables

	PR860	HT750	HT1250	EX500	MT1500	PR400	HT1250LS+	EX560XLS	EX600XLS
General									
Display	N/A	N/A	14-Character Alphanumeric	N/A	Optional 4/12-Character Alphanumeric	Optional 8-Character Alphanumeric	14 Character Alphanumeric	14 Character Alphanumeric	14 Character Alphanumeric
Expansion Card Capable	Y	Y	Y	N/A	N/A	Y	Y	N/A	N/A
Frequency Bands	VHF/UHF/Lowband	VHF/UHF/Lowband	VHF/UHF/Lowband	VHF/UHF	VHF/UHF/800	VHF/UHF	VHF/UHF	VHF/UHF	VHF/UHF
Ingress Protection Rating	IP54	IP54	IP54	Optional/IP67	IP54	IP54	IP54	Standard IP67	IP54
Intrinsically Safe Option	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Standard	Optional
Keypad	N/A	N/A	Limited/Full	N/A	N/A	None/Limited/Full	Limited/Full	Limited	Full
Max. # of Channels	16	16	16	16	16	16/32/64	32	160	160
Max. # of Zones	N/A	N/A	8	N/A	6	N/A	15	15	15
Password Lock	N/A	N/A	Full Keypad Only	N/A	N/A	N/A	Y	Y	Y
Power Output	5W(V) 4W(U)	5W(V) 4W(U)	5W(V) 4W(U)	5W(V) 4W(U)	5W(V) 5W(U)	5W(VHF) 4W(UHF)	5W(V) 4W(U)	5W(V) 4W(U)	5W(V) 4W(U)
Third Party Applications	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Analog Conventional	✓	✓	✓	✓	✓	✓	✓	✓	✓
12.5 KHz Channel Bandwith	Y	Y	Y	Y	Y	Y	Y	Y	Y
And/Or Signaling Squelch in MDC 1200	Y	Y	Y	Y	Y	Y	Y	Y	Y
And/Or Signaling Squelch in Quik-Call II	Y	Y	Y	Y	Y	Y	Y	Y	Y
Bluetooth Audio	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CSQ/TPL/DPL Squelch Type	Y	Y	Y	Y	Y	Y - 32/64Ch	Y	Y	Y
DTMF Hot Keypad	N/A	N/A	Y	N/A	N/A	Y	Y	Y	Y
Escalert Tone	Y	Y	Y	Y	N/A	Y	Y	Y	Y
Lone Worker	N/A	Y	Y	N/A	N/A	N/A	Y	N/A	N/A
Man Down	N/A	Y	Y	N/A	N/A	N/A	Y	N/A	N/A
MDC 1200 Sig. Call Alert	Decode	Decode	Encode/Decode	Decode	Request-To-Talk	16Ch-Dec Only 32/64Ch-Enc/Dec	Encode/Decode	Encode/Decode	Encode/Decode
MDC 1200 Sig. Emergency	Encode	Encode	Encode	Encode	Y - Silent Emergency	N/A	Encode	Encode	Encode
MDC 1200 Sig. PTT-ID	Encode	Encode	Encode/Decode	Encode	Encode	16Ch-Enc Only 32/64Ch-Enc/Dec	Encode/Decode	Encode/Decode	Encode/Decode
MDC 1200 Sig. Selective Call	Decode	Decode	Encode/Decode	Decode	N/A	16Ch-Enc Only 32/64Ch-Enc/Dec	Encode/Decode	Encode/Decode	Y
MDC 1200 Sig. Status Messages	N/A	N/A	N/A	N/A	Y	N/A	Encode	N/A	N/A
MDC 1200 Sig. Radio Check	Decode	Decode	Encode/Decode	Decode	Y	Decode	Encode/Decode	Encode/Decode	Encode/Decode
MDC 1200 Sig. Remote Monitor	N/A	N/A	N/A	Y	N/A	N/A	N/A	NA	N/A
Quik-Call II Signaling	Decode	Decode	Encode/Decode	Decode	N/A	All Decode 32/64Ch Enc/Dec	Encode/Decode	Encode/Decode	Encode/Decode
Scan	Y	Y	Y	Y	Y	Y	Y	Y	Y
Scan (Operator Selectable On/Off)	N/A	N/A	Y	N/A	Y	Y	Y	Y	Y
Scan with Dual Priority Levels	N/A	N/A	Y	N/A	Y	Y	Y	Y	Y
Talk Around	Y	Y	Y	Y	Y	Y	Y	Y	Y
VOX (Voice Operated Transmit)	Y	Y	Y	Y	N/A	Y	Y	Y	Y
X-Pand Companding Audio Enhancement	Y	Y	Y	Y	N/A	Y	Y	Y	Y
LTR/PassPort Trunking (Analog)	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**LTR**	**LTR/Passport**	**LTR**	**LTR**
Max. # of Groups	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	16(16Ch) 100(32/64Ch)	16	16	16
Max. # of Trunked Systems	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	4(16Ch)	15	15	15
LTR									
Busy Queuing and Call Back	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	N/A	N/A	N/A	N/A
GPS (TrAVL data)	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	N/A	N/A	N/A	N/A
MDC 1200 Sig. Call Alert	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	N/A	Encode/Decode	Encode/Decode	Encode/Decode
MDC 1200 Sig. Emergency	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	N/A	Encode	Encode	Encode
MDC 1200 Sig. PTT-ID	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	Y	Encode/Decode	Encode/Decode	Encode/Decode
Scan (Group)	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	N/A	Y	Y	Y
Scan (LTR and Conventional- option board)	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	Y	Y	Y	Y
Scan (Operator Selectable On/Off)	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	Y	Y	Y	Y
Scan with Priority	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	Y	Y	Y	Y
X-Pand Companding Audio Enhancement	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	Y	Y	Y	Y

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PRODUCT COMPARISON MATRIX
Analog Portables

	PR860	HT750	HT1250	EX500	MT1500	PR400	HT1250LS+	EX560XLS	EX600XLS
Classic PassPort									
All Call	N/A	N/A	N/A	N/A	N/A	N/A	Y	N/A	N/A
Automatic Site Registration	N/A	N/A	N/A	N/A	N/A	N/A	Y	N/A	N/A
Automatic Site Roaming	N/A	N/A	N/A	N/A	N/A	N/A	Y	N/A	N/A
Band 5B Frequency Assignments	N/A	N/A	N/A	N/A	N/A	N/A	N/A Band 12	N/A	N/A
Bluetooth Audio	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Busy Queuing and Call Back	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Call Alert	N/A	N/A	N/A	N/A	N/A	N/A	Y	N/A	N/A
Direct Frequency Assignment	N/A	N/A	N/A	N/A	N/A	N/A	Y	N/A	N/A
Escalert Tone	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ESN System Access Verification	N/A	N/A	N/A	N/A	N/A	N/A	Y	N/A	N/A
Failsoft Operation	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
GPS (TrAVL data)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Group Call	N/A	N/A	N/A	N/A	N/A	N/A	Y	N/A	N/A
Home Channel Revert	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Home System Lookback	N/A	N/A	N/A	N/A	N/A	N/A	Y	N/A	N/A
Lone Worker	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Down	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Multi-group Call	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Neighbor List DFA	N/A	N/A	N/A	N/A	N/A	N/A	Y	N/A	N/A
Privacy (Basic)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Privacy (Enhanced)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Private (Selective) Call	N/A	N/A	N/A	N/A	N/A	N/A	Y	N/A	N/A
PTT-ID (MIN View)	N/A	N/A	N/A	N/A	N/A	N/A	Y	N/A	N/A
Scan (Group)	N/A	N/A	N/A	N/A	N/A	N/A	Y	N/A	N/A
Scan (Mixed Mode - Analog/Digital Channels)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Scan (Operator Selectable On/Off)	N/A	N/A	N/A	N/A	N/A	N/A	Y	N/A	N/A
Scan with Dual Priority	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Site Lock/Roam Request	N/A	N/A	N/A	N/A	N/A	N/A	Y	N/A	N/A
Stun/Kill	N/A	N/A	N/A	N/A	N/A	N/A	Y	N/A	N/A
Talk Around	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Telephone Interconnect	N/A	N/A	N/A	N/A	N/A	N/A	Y	N/A	N/A
Text Messaging	N/A	N/A	N/A	N/A	N/A	N/A	Y	N/A	N/A
Transmit Interrupt	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Classic PassPort (Continuation)									
VOX (Voice Operated Transmit)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
X-Pand Companding Audio Enhancement	N/A	N/A	N/A	N/A	N/A	N/A	Y	N/A	N/A
Enhanced PassPort (Additional Features)									
Channel Backup	N/A	N/A	N/A	N/A	N/A	N/A	Y	N/A	N/A
Emergency	N/A	N/A	N/A	N/A	N/A	N/A	Y	N/A	N/A
Message Trunking	N/A	N/A	N/A	N/A	N/A	N/A	Y	N/A	N/A
Selective Call Across Talkgroups	N/A	N/A	N/A	N/A	N/A	N/A	Y	N/A	N/A
User Priority Access Levels	N/A	N/A	N/A	N/A	N/A	N/A	Y	N/A	N/A

GENERAL NOTES

* Analog Portable subscriber features are based on the latest radio firmware, option board firmware and CPS versions
* Some features may require additional infrastructure equipment or licensing (i.e. GPS, Telephone Interconnect
* Motorola Solutions Customer Service at 1-800-927-2744.
* Table entry Y = Available.
* Table entry N/A = Not Available or Not Applicable.
* Table entry = Optional. Feature requires additional hardware and/or software license

Matrix - Page 3
Date 1/1/14

PRODUCT COMPARISON MATRIX
Analog Mobiles

	CDM750	CDM1250	CDM1550	PM1500	PM1200	VX-5500	XTL1500	PM400	CDM1550 LS+
General									
Control Station Operation	Y	Y	N/A	N/A	N/A	N/A	Y	Y	Y
Display	N/A	14-character Alpha-	14-character Alpha-	8-character	8-character Alpha-	8-character Alpha-	8-character	8-character	14-character
Enhanced Keypad Microphone	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Option Board Expandability	Y	Y	Y	N/A	Y	N/A	Y	Y	Y
Frequency Bands	VHF/UHF & Lowband	VHF/UHF & Lowband	Lowband	VHF/UHF	Lowband	Lowband	VHF/UHF & 7/800 MHz	VHF/UHF	VHF/UHF
Max. # of Channels	4	64	128	255	250	250	48/512	64	160
Max. # of Zones	1	16	16	50	250	N/A	46/50	N/A	16
Power Output	1-25W (V/U) 25-45W (V) 25-40W (U) 40-60W (LB)	1-25W (V/U) 25-45W (V) 25-40W (U) 40-60W (LB)	40-60W (LB)	25-110W (V/U)	50-120W (LB)	70W (LB)	10-50W (V/U1) 10-40W (U2) 35W (7/800)	1-25W (V/U) 25-45W (V) 25-40W (U) 40-60W (LB)	1-25W (V/U) 25-45W (V) 25-40W (U2)
Remount Mount	Optional	Optional	Optional	Only	Only	N/A	N/A	N/A	Optional
Third Party Applications	Y	Y	Y	N	N	N	Y	N	Y
Analog Conventional	✓	✓	✓	✓	✓	✓	✓	✓	✓
12.5 /20/25/30 kHz Channel Bandwith	12.5kHz (V/U) 20/30kHz (LB)	12.5kHz (V/U) 20/30kHz (LB)	20/30kHz (LB)	12.5kHz 25kHz Optional	20/30kHz	20kHz	12.5/20/25kHz	12.5kHz	12.5KHz
And/Or Signaling Squelch in MDC 1200	N/A	Y (DOS)	Y (DOS)	N/A	N/A	N/A	N/A	Y	Y
And/Or Signaling Squelch in Quik-Call II	N/A	Y	Y	Y	Y	Y	Y	Y	Y
CSQ/TPL/DPL Squelch Type	Y	Y	Y	Y	Y	Y	Y	Y	Y
DTMF Hot Keypad (via Enh. Keypad Mic)	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
MDC 1200 Sig. Call Alert	N/A	Encode/Decode	Encode/Decode	Encode/Decode	N/A	N/A	Encode/Decode	Encode/Decode	Encode/Decode
MDC 1200 Sig. Emergency	N/A	Encode	Encode/Decode	Encode/Decode	N/A	N/A	Encode/Decode	Encode	Encode/Decode
MDC 1200 Sig. Selective Call	N/A	Encode/Decode	Encode/Decode	Encode/Decode	N/A	N/A	Encode/Decode	Encode/Decode	Encode/Decode
MDC 1200 Sig. Selective Radio Inhibit	Decode	Decode	Decode	Decode	N/A	N/A	Decode	Decode	N/A
MDC 1200 Sig. Status Messages	N/A	N/A	Y	N/A	N/A	N/A	Encode	N/A	Encode
MDC 1200 Sig. Radio Check	N/A	Encode/Decode	Encode/Decode	Decode	N/A	N/A	Decode	Decode	Encode/Decode
MDC 1200 Sig. Remote Monitor	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MDC 1200 Sig. PTT-ID	Encode	Encode/Decode	Encode/Decode	Encode/Decode	N/A	N/A	Encode	Encode/Decode	Encode/Decode
Quik-Call II Signaling	N/A	Encode/Decode	Encode/Decode	Encode/Decode	Decode	N/A	N/A	Encode/Decode	Encode/Decode
DTMF Signaling	Encode	Encode (Decode-OptBd)	Encode (Decode-OptBd)	Y	Encode	Y	Y	Encode	N/A
Scan	Y	Y	Y	Y	Y	Y	Y	Y	Y
Scan (Operator Selectable On/Off)	Y	Y	Y	y	Y	Y	Y	Y	Y
Scan with Dual Priority Levels	Single	Y	Y	y	Y	Y	Y	Y	Y
Talk Around	Y	Y	Y	Y	Y	Y	Y	Y	Y
Transmit Interrupt	Y	Y	Y	Y	N/A	N/A	N/A	N/A	N/A
Voice Announcement	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
X-Pand Companding Audio Enhancement	Y	Y	Y	Y	Y	N/A	Y	Y	Y
LTR/PassPort Trunking	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓	✓
Max. # of Groups	N/A	N/A	N/A	N/A	N/A	N/A	N/A	100	LTR240/PsP256
Max. # of Trunked Systems	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10	16
LTR									
Busy Queuing and Call Back	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N	N
MDC 1200 Sig. Call Alert	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N	Y
MDC 1200 Sig. Emergency	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N	Y
MDC 1200 Sig. PTT-ID	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y
Scan (Group)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N	Y

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Date 1/1/14

PRODUCT COMPARISON MATRIX
Analog Mobiles

	CDM750	CDM1250	CDM1550	PM1500	PM1200	VX-5500	XTL1500	PM400	CDM1550 LS+
Scan (LTR and Conventional- option board)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y
Scan (Operator Selectable On/Off)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y
Scan with Priority	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y
X-Pand Companding Audio Enhancement	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y
Classic PassPort									
All Call	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y
Automatic Site Registration	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y
Automatic Site Roaming	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y
Band 5B Frequency Assignments	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y
Busy Queuing and Call Back	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N
Call Alert	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y
Direct Frequency Assignment	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y
Escalert Tone	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	?
ESN System Access Verification	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y
Failsoft Operation	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N
GPS (TrAVL data)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y
Group Call	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y
Home Channel Revert	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N
Home System Lookback	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y
Horn/Lights (Alarm)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y
Lone Worker	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N
Multi-group Call	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y
Neighbor List DFA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y
Privacy (Basic)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N
Privacy (Enhanced)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N
Private (Selective) Call	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y
PTT-ID (MIN View)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y
Scan (Group)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y
Scan (Operator Selectable On/Off)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y
Scan with Dual Priority	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N
Site Lock/Roam Request	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y
Stun/Kill	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y
Talk Around	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N
Telephone Interconnect	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y
Text Messaging	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N
Transmit Interrupt	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N
X-Pand Companding Audio Enhancement	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y
Enhanced PassPort (Additional Features)									
Channel Backup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y
Emergency	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y
Home Channel Revert	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y
Message Trunking	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y
Selective Call Across Talkgroups	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y
User Priority Access Levels	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y

GENERAL NOTES

Analog Mobile subscriber features are based on the latest radio firmware, option board firmware and CPS versions.

* Online version of the Analog Mobile Feature Matrix is available in Motorola Online (Resource Center/Product Information/Two-Way Product Comparison Matrixes).
* Some features may require additional infrastructure equipment or licensing (i.e. Telephone Interconnect)
* Please refer to Analog Mobile System Planners for more details on features or contact Motorola Solutions Customer Service at 1-800-927-2744.
* Table entry Y = Available.
* Table entry N/A = Not Available or Not Applicable.
* Table entry = Optional. Feature requires additional hardware and/or software license.

Canadian customers and US based customers who are not impacted by this FCC mandate for Part 90 VHF and UHF frequencies may contact Motorola customer service can request an enablement key to reinstate 25 kHz programming capabilities into the CPS.
WARNING: It is the responsibility of the FCC licensee to comply with FCC Narrowbanding rules and not apply these international & service tools in a manner that is inconsistent with the Narrowbanding regulations or the directions provided by the manufacturer.

LMR CATALOG - MSRP

June 1, 2014

INCLUDES:

TWO-WAY RADIO BATTERIES
FRS RADIO BATTERIES
PAGER BATTERIES
RECHARGEABLE FLASHLIGHT BATTERIES
ALKALINE BATTERIES

Power Products Unlimited, Inc.
2170 Brandon Trail
Alpharetta, GA 30004

www.powerproducts.com

Toll Free **800-529-1618** Local **770-740-9400** Fax **770-569-1844**

Part Number	OEM	Description	MSRP
TWO-WAY RADIO BATTERIES			
Motorola APX4000			
BP4409LIIC	PMNN4409	7.2V / 2500 mAh / Li-Ion / clip / smart	$101.00
Motorola CP100 / i550 / i750 / XTN (XU1100, XU2100, XU2600, XV1100, XV2100, XV2600)			
BP4190	NNTN4190 / NTN8971	4.8V / 1500 mAh / NiMH	$23.20
Motorola CP110			
BP6305LI	RLN6305	7.2V / 2200 mAh / Li-Ion	$75.20
CL6305	N/A	Battery clip	$7.80
Motorola CP125 / AX Series / GP2000 / PRO2150 / VL130			
BP4063MH	PMNN4063AR	7.5V / 1400 mAh / NiMH / clip	$51.60
CL4063	N/A	Battery clip	$7.80
Motorola CP150 / CP200 / CP250 / EP450 / PR400			
BP4496-1	NNTN4496AR	7.5V / 1000 mAh / NiCd / clip (round)	$50.60
BP4497LI	NNTN4497AR	7.2V / 2200 mAh / Li-Ion / clip (round)	$63.60
BP4497LIXT	NNTN4497AR	7.2V / 2500 mAh / Li-Ion / clip (round)	$71.80
BP4851MHXT	NNTN4851A	7.5V / 1650 mAh / NiMH / clip (square)	$58.80
BP4970LI	NNTN4970A	7.2V / 1800 mAh / Li-Ion / clip (slim)	$77.40
BP4970LIP	NNTN4970A	7.4V / 1800 mAh / LiPo / clip (slim)	$77.40
CL9628	N/A	Battery clip	$7.80
Motorola CP185 / CP476 / CP477 / CP1300 / CP1600 / EP350 / P140 / P160 / P180			
BP4080LIXT	PMNN4080AR	7.4V / 2500 mAh / Li-Ion / clip (thick housing)	$88.80
BP4081LI	PMNN4081AR	7.4V / 1900 mAh / Li-Ion / clip (slim housing)	$72.20
BP4082MH	PMNN4082AR	7.4V / 1600 mAh / NiMH / clip (standard)	$65.20
CL7144	N/A	Battery clip	$7.80
Motorola CT150 / CT250 / CT450 / CT450LS / PRO3150			
BP4018XT	PMNN4018AR	7.5V / 1600 mAh / NiMH / clip	$50.60
CL7144	N/A	Battery clip	$7.80
Motorola EX500 / EX600 / PRO5150 Elite			
BP4023LI	JMNN4024CR	7.2V / 1800 mAh / Li-Ion	$76.60
Motorola GP300 / GP600 / GTX / LTS2000 / MTX638 / PTX600			
BP9628MH	WPNN4038A	7.5V / 1500 mAh / NiMH / clip	$49.40
BP9628MHXT	N/A	7.5V / 2000 mAh / NiMH / clip	$59.80
BP9628UNC-1	HNN9628B	7.5V / 1200 mAh / NiCd / clip	$45.20
CL9628	N/A	Battery clip	$7.80
Motorola GP320 / GP340 / GP360 / GP380 / GP640 / GP680 / GP1280			
BP9008	HNN9008AR	7.5V / 1500 mAh / NiMH / clip	$51.40
BP9009	HNN9009AR	7.5V / 2000 mAh / NiMH / clip	$59.80
BP9009HC	HNN9009AR	7.5V / 2700 mAh / NiMH / clip	$75.00
BP9010	HNN9010AR	7.5V / 1600 mAh / NiMH / IS	$96.60
BP9012-1	HNN9012BR	7.5V / 1200 mAh / NiCd / clip	$52.60
BP9013LI	HNN9013DR	7.2V / 1800 mAh / Li-Ion / clip	$74.20
BP9013LIP	N/A	7.4V / 3600 mAh / LiPo / clip	$132.40
BP9858CSBK	N/A	Alkaline clamshell - black	$59.20
BP9858CSOR	N/A	Alkaline clamshell - orange	$59.20
PM9013LIP	N/A	7.4V / 4100 mAh / LiPo / clip / PolyMax HPC	$139.80
CL9008	N/A	Battery clip	$7.80
Motorola GP350			
BP9360-1	HNN9360B	7.5V / 1200 mAh / NiCd / clip	$44.20
BP9360MH	HNN9360A	7.5V / 1500 mAh / NiMH / clip	$50.60
CL9628	N/A	Battery clip	$7.80

Part Number	OEM	Description	MSRP
Motorola GP68 / Spirit SU42 / Spirit SV52			
BP68	PMN4000B	7.5V / 1200 mAh / NiCd	$57.60
Motorola GP900 / GP1200			
BP7143-1	NTN7143CR	7.5V / 1200 mAh / NiCd / clip	$44.40
BP7144-1	NTN7144CR	7.5V / 1500 mAh / NiCd / clip	$47.40
BP7144MH	WPNN4013A	7.5V / 2000 mAh / NiMH / clip	$55.60
BP7144MHXT	N/A	7.5V / 2700 mAh / NiMH / clip	$73.80
CL7144	N/A	Battery clip	$7.80
Motorola HT1000 / JT1000 / Mobius			
BP7143-1	NTN7143CR	7.5V / 1200 mAh / NiCd / clip	$44.40
BP7144-1	NTN7144CR	7.5V / 1500 mAh / NiCd / clip	$47.40
BP7144MH	WPNN4013A	7.5V / 2000 mAh / NiMH / clip	$55.60
BP7144MHXT	N/A	7.5V / 2700 mAh / NiMH / clip	$73.80
CL7144	N/A	Battery clip	$7.80
Motorola HT210 / HT220 / HT220 Omni / MT500 Omni / MT700			
BP4463B-1	NLN4463B	15.0V / 600 mAh / NiCd	$57.60
Motorola HT440			
BP7694	NLN7694A	12.5V / 700 mAh / NiCd	$45.20
Motorola HT50			
BP5453	NTN5453B	10.0V / 1200 mAh / NiCd	$53.60
Motorola HT600 / HT800			
BP5414-1	NTN4585A	10.0V / 1200 mAh / NiCd	$51.40
Motorola HT750 / HT1250 / HT1550 / PRO5150 / PRO7150 / PRO9150			
BP9008	HNN9008AR	7.5V / 1500 mAh / NiMH / clip	$51.40
BP9009	HNN9009AR	7.5V / 2000 mAh / NiMH / clip	$59.80
BP9009HC	HNN9009AR	7.5V / 2700 mAh / NiMH / clip	$75.00
BP9010	HNN9010AR	7.5V / 1600 mAh / NiMH / IS	$96.60
BP9012-1	HNN9012BR	7.5V / 1200 mAh / NiCd / clip	$52.60
BP9013LI	HNN9013AR	7.2V / 1800 mAh / Li-Ion / clip	$74.20
BP9013LIP	N/A	7.4V / 3600 mAh / LiPo / clip	$132.40
BP9858CSBK	N/A	Alkaline clamshell - black	$59.20
BP9858CSOR	N/A	Alkaline clamshell - orange	$59.20
PM9013LIP	N/A	7.4V / 4100 mAh / LiPo / clip / PolyMax HPC	$139.80
CL9008	N/A	Battery clip	$7.80
Motorola HT90			
BP7434-1	NLN7434A	12.5V / 600 mAh / NiCd	$44.60
Motorola Mag One / BPR40			
BP4071MH-1	PMNN4071	7.2V / 1300 mAh / NiMH / clip	$35.80
BP4075LI-1	PMNN4075AR	7.4V / 1700 mAh / Li-Ion / clip	$61.80
CL4071	N/A	Battery clip	$7.80
Motorola MT1000 / MTX800 / MTX900			
BP5447-1	NTN5447BR	10.0V / 1200 mAh / NiCd	$51.40
BP5447MH	NTN5447	10.0V / 2000 mAh / NiMH	$63.20
BP5447MH-SC	N/A	10.0V / 1450 mAh / NiMH (short case)	$57.60
Motorola MT2000 / MTS2000 / MTX8000 / MTX9000 / MTZ2000			
BP7143-1	NTN7143CR	7.5V / 1200 mAh / NiCd / clip	$44.40
BP7144-1	NTN7144CR	7.5V / 1500 mAh / NiCd / clip	$47.40
BP7144MH	WPNN4013A	7.5V / 2000 mAh / NiMH / clip	$55.60
BP7144MHXT	N/A	7.5V / 2700 mAh / NiMH / clip	$73.80

Part Number	OEM	Description	MSRP
CL7144	N/A	Battery clip	$7.80
Motorola MTX850 / MTX850LS / MTX950 / MTX960 / MTX8250LS / MTX9250			
BP9008	HNN9008AR	7.5V / 1500 mAh / NiMH / clip	$51.40
BP9009	HNN9009AR	7.5V / 2000 mAh / NiMH / clip	$59.80
BP9009HC	HNN9009AR	7.5V / 2700 mAh / NiMH / clip	$75.00
BP9010	HNN9010AR	7.5V / 1600 mAh / NiMH / IS	$96.60
BP9012-1	HNN9012BR	7.5V / 1200 mAh / NiCd / clip	$52.60
BP9013LI	HNN9013DR	7.2V / 1800 mAh / Li-Ion / clip	$74.20
BP9013LIP	N/A	7.4V / 3600 mAh / LiPo / clip	$132.40
BP9858CSBK	N/A	Alkaline clamshell - black	$59.20
BP9858CSOR	N/A	Alkaline clamshell - orange	$59.20
PM9013LIP	N/A	7.4V / 4100 mAh / LiPo / clip / PolyMax HPC	$139.80
CL9008	N/A	Battery clip	$7.80
Motorola MX300 Series			
BP5860	NLN5860	7.5V / 1800 mAh / NiCd	$59.80
Motorola P10 / P50+ (High Power) / SP10 / SP50 / HT10 (Approximate height 3.35”.)			
BP9027	HNN9027A	10.8V / 600 mAh / NiCd	$32.80
Motorola P10 / P50+ (Low Power) / SP10 / SP50 / HT10 / Spirit M Series (Approximate height 2.25".)			
BP9044	HNN9044AR	7.5V / 600 mAh / NiCd	$20.40
BP9044MH	N/A	7.5V / 1000 mAh / NiMH	$32.20
Motorola P10 / SP50+ (Low Power) / SP10 / SP50 / HT10 (Approximate height 3.35".)			
BP9018	HNN9018AR	7.5V / 1200 mAh / NiCd (3.35")	$32.60
BP9018MH	N/A	7.5V / 2000 mAh / NiMH (3.35")	$46.40
Motorola P100			
BP5451-1	NTN5451B	10.0V / 1200 mAh / NiCd	$53.60
Motorola P110			
BP8148-1	HNN8148B	7.5V / 1200 mAh / NiCd	$46.20
BP8148MH	WPNN4039AR	7.5V / 1800 mAh / NiMH	$56.80
Motorola P1225 / P1325			
BP9049-1	HNN9049A	7.5V / 1200 mAh / NiCd / clip	$51.80
BP9049MH	HNN9051A	7.5V / 2000 mAh / NiMH / clip	$59.80
CL9628	N/A	Battery clip	$7.80
Motorola P200 / P210			
BP5521-1	NTN5521B	10.0V / 1200 mAh / NiCd	$50.60
BP5521MH	NTN5521B	10.0V / 2000 mAh / NiMH	$63.00
Motorola PR860			
BP9008	HNN9008AR	7.5V / 1500 mAh / NiMH / clip	$51.40
BP9009	HNN9009AR	7.5V / 2000 mAh / NiMH / clip	$59.80
BP9009HC	HNN9009AR	7.5V / 2700 mAh / NiMH / clip	$75.00
BP9010	HNN9010AR	7.5V / 1600 mAh / NiMH / IS	$96.60
BP9012-1	HNN9012BR	7.5V / 1200 mAh / NiCd / clip	$52.60
BP9013LI	HNN9013DR	7.2V / 1800 mAh / Li-Ion / clip	$74.20
BP9013LIP	N/A	7.4V / 3600 mAh / LiPo / clip	$132.40
BP9858CSBK	N/A	Alkaline clamshell - black	$59.20
BP9858CSOR	N/A	Alkaline clamshell - orange	$59.20
PM9013LIP	N/A	7.4V / 4100 mAh / LiPo / clip / PolyMax HPC	$139.80
CL9008	N/A	Battery clip	$7.80
Motorola R750 / R750D			
NM-R750	NTN9037A	4.8V / 1650 mAh / NiMH	$51.40

Part Number	OEM	Description	MSRP
Motorola RDX Series / RDU2020 / RDU2080d / RDU4100 / RDU4160d / RDV2020 / RDV2080d / RDV5100			
BP6305LI	RLN6305	7.2V / 2200 mAh / Li-Ion	$75.20
CL6305	N/A	Battery clip	$7.80
Motorola Saber / Astro Saber / MX1000 / MX2000 / MX3000			
BP4593	NTN8810	7.2V / 1200 mAh / NiCd (short)	$50.00
BP4593LI	N/A	7.4V / 1900 mAh / Li-Ion	$126.40
BP4595	NTN4595DR	7.5V / 1800 mAh / NiCd	$61.20
BP4595MHXT	N/A	7.5V / 2700 mAh / NiMH	$79.60
BP4596IS	NTN4596C	7.5V / 1800 mAh / NiMH / IS	$67.20
Motorola STX / MX800			
BP4327B	NTN4327C	7.5V / 1800 mAh / NiCd	$61.00
Motorola Visar			
BP7394MH	NTN7394CR	7.5V / 2000 mAh / NiMH	$57.60
BP7395-1	NTN7395BR	7.5V / 1200 mAh / NiCd	$50.60
Motorola XPR3300 / XPR3500 / XPR7350 / XPR7380 / XPR7550 / XPR7580 MOTOTRBO Series			
BP4409LIIC	PMNN4409	7.2V / 2500 mAh / Li-Ion / clip / smart	$101.00
Motorola XPR6100 / XPR6300 / XPR6350 / XPR6380 / XPR6500 / XPR6550 / XPR6580 / MOTOTRBO Series			
BP4065MH	PMNN4065A	7.2V / 1600 mAh / NiMH / clip	$68.60
BP4066LIIC	PMNN4066A	7.2V / 2500 mAh / Li-Ion / clip / smart (slim)	$95.80
CL7144	N/A	Battery clip	$7.80
Motorola XTS1500 / XTS2500 / MT1500 / PR1500			
BP9815-1	NTN9815B	7.5V / 1200 mAh / NiCd / clip	$64.00
BP9857XTIS	N/A	7.5V / 2700 mAh / NiMH / IS	$121.80
BP9858LIP	N/A	7.4V / 3600 mAh / 26.6 Wh / LiPo / clip	$132.40
BP9858MH	NTA9858A	7.5V / 2000 mAh / NiMH / clip	$61.20
BP9858MHIC	NTN9858C	7.5V / 2500 mAh / NiMH / clip / smart	$93.80
BP9858MHXT	N/A	7.5V / 2700 mAh / NiMH / clip	$74.80
BP9858CSBK	NNTN6686A	Alkaline clamshell - black	$59.20
BP9858CSOR	NNTN6686A	Alkaline clamshell - orange	$59.20
PM9858LIP	N/A	7.4V / 4100 mAh / LiPo / clip / PolyMax HPC	$139.80
CL9008	N/A	Battery clip	$7.80
Motorola XTS3000 / XTS3500 / XTS5000 / Cosmo			
BP6034LIIC	NNTN6034A	7.2V / 4400 mAh / Li-Ion / clip / smart	$145.80
BP8294-1	NTN8294BR	7.5V / 1500 mAh / NiCd / clip	$61.80
BP8299CSOR	NTN9183A	Alkaline clamshell - orange	$53.00
BP8299LI	N/A	7.2V / 4400 mAh / Li-Ion / clip	$119.80
BP8299LIP	N/A	7.4V / 3600 mAh / LiPo / clip	$132.40
BP8299MH	NTN8923AR	7.5V / 2000 mAh / NiMH / clip	$67.80
BP8299MHXT	NTN8923AR	7.5V / 2700 mAh / NiMH / clip	$77.00
BP8299MHUC	RNN4006B	7.5V / 3800 mAh / NiMH / clip	$83.80
LE4007MHXTIS	RNN4007AR	7.5V / 3600 mAh / NiMH / IS / clip	$119.00
PM8299LIPXT	N/A	7.4V / 4100 mAh / LiPo / clip / PolyMax HPC	$145.80
CL8299	N/A	Battery clip	$7.80
Bearcom BC120			
BP4063MH	PMNN4063AR	7.5V / 1400 mAh / NiMH / clip	$51.60
CL4063	N/A	Battery clip	$7.80
Bearcom BC130			
BP4071MH-1	PMNN4071	7.2V / 1300 mAh / NiMH / clip	$35.80
BP4075LI-1	PMNN4075AR	7.4V / 1700 mAh / Li-Ion / clip	$61.80
CL4071	N/A	Battery clip	$7.80
Blackbox UHF / VHF			

Part Number	OEM	Description	MSRP
BPBH1301	BH1301	6.0V / 1300 mAh / NiMH / clip	$35.00
CL4063	N/A	Battery clip	$7.80
Datron Guardian G25RPV100 Series			
BP6034LIIC	NNTN6034A	7.2V / 4400 mAh / Li-Ion / clip / smart	$145.80
BP8294-1	NTN8294BR	7.5V / 1500 mAh / NiCd / clip	$61.80
BP8299CSOR	NTN9183A	Alkaline clamshell - orange	$53.00
BP8299LI	N/A	7.2V / 4400 mAh / Li-Ion / clip	$119.80
BP8299LIP	N/A	7.4V / 3600 mAh / LiPo / clip	$132.40
BP8299MH	NTN8923AR	7.5V / 2000 mAh / NiMH / clip	$67.80
BP8299MHXT	NTN8923AR	7.5V / 2700 mAh / NiMH / clip	$77.00
BP8299MHUC	RNN4006B	7.5V / 3800 mAh / NiMH / clip	$83.80
LE4007MHXTIS	RNN4007AR	7.5V / 3600 mAh / NiMH / IS / clip	$119.00
PM8299LIPXT	N/A	7.4V / 4100 mAh / LiPo / clip / PolyMax HPC	$145.80
CL8299	N/A	Battery clip	$7.80
EF Johnson 7500 Series / Falcon 7500			
BP196-1	N/A	9.6V / 1000 mAh / NiCd / clip	$50.60
BP196MH	N/A	9.6V / 1500 mAh / NiMH / clip	$51.40
CL196	N/A	Battery clip	$7.80
FOR ADDITIONAL HARRIS BATTERIES SEE M/A-COM LISTING			
Harris HDP100 / HDP150 (Momentum Series)			
BPBL2006LI-1	BL2006	7.4V / 2000 mAh / Li-Ion (slim housing)	$96.40
BPBL2503LIXT	BL2503	7.4V / 2500 mAh / Li-Ion (thick housing)	$102.40
Harris P5300 Series / P5350 / P5370			
BP234063MH	BT-023406-003	7.5V / 2700 mAh / NiMH / clip	$99.80
BP234065LI	BT-023406-005	7.4V / 2500 mAh / Li-Ion / clip	$105.80
PM234361LIP	BT-023436-001	7.4V / 4100 mAh / LiPo / clip / PolyMax HPC	$139.80
CL234065A	N/A	Battery clip	$7.80
Harris P5400 Series / P5450 / P5470			
BP234063MH	BT-023406-003	7.5V / 2700 mAh / NiMH / clip	$99.80
BP234065LI	BT-023406-005	7.4V / 2500 mAh / Li-Ion / clip	$105.80
PM234361LIP	BT-023436-001	7.4V / 4100 mAh / LiPo / clip / PolyMax HPC	$139.80
CL234065A	N/A	Battery clip	$7.80
Harris P5500 Series / P5550 / P5570			
BP234063MH	BT-023406-003	7.5V / 2700 mAh / NiMH / clip	$99.80
BP234065LI	BT-023406-005	7.4V / 2500 mAh / Li-Ion / clip	$105.80
PM234361LIP	BT-023436-001	7.4V / 4100 mAh / LiPo / clip / PolyMax HPC	$139.80
CL234065A	N/A	Battery clip	$7.80
Harris P7300 Series / P7350 / P7370			
BP234063MH	BT-023406-003	7.5V / 2700 mAh / NiMH / clip	$99.80
BP234065LI	BT-023406-005	7.4V / 2500 mAh / Li-Ion / clip	$105.80
PM234361LIP	BT-023436-001	7.4V / 4100 mAh / LiPo / clip / PolyMax HPC	$139.80
CL234065A	N/A	Battery clip	$7.80
Harris XG-25P			
BP234063MH	BT-023406-003	7.5V / 2700 mAh / NiMH / clip	$99.80
BP234065LI	BT-023406-005	7.4V / 2500 mAh / Li-Ion / clip	$105.80
PM234361LIP	BT-023436-001	7.4V / 4100 mAh / LiPo / clip / PolyMax HPC	$139.80
CL234065A	N/A	Battery clip	$7.80
Harris XG-75P			
BP234063MH	BT-023406-003	7.5V / 2700 mAh / NiMH / clip	$99.80
BP234065LI	BT-023406-005	7.4V / 2500 mAh / Li-Ion / clip	$105.80
PM234361LIP	BT-023436-001	7.4V / 4100 mAh / LiPo / clip / PolyMax HPC	$139.80
CL234065A	N/A	Battery clip	$7.80

Part Number	OEM	Description	MSRP
Harris XG-100P (Unity)			
BP1912CSBK	BT-013259-001	Alkaline clamshell - black	$36.60
LEHAPA7YMHIS	HAPA7Y	7.5 V / 2450 mAh / NiMH / IS	$123.00
Hytera DMR PD702 / PD705 / PD706 / PD708 / PD782 / PD785 / PD786 / PD788			
BPBL2006LI-1	BL2006	7.4V / 2000 mAh / Li-Ion (slim housing)	$96.40
BPBL2503LIXT	BL2503	7.4V / 2500 mAh / Li-Ion (thick housing)	$102.40
Hytera DMR X1e / X1p			
BPBL1809LI	BL1809	7.4V / 1900 mAh / Li-Ion	$139.80
Hytera (HYT) TC-320 / TC-320U			
BPBL1715LI-1	BL1715	3.7V / 1800 mAh / Li-Ion	$31.40
Hytera (HYT) TC-500 / TC-500U / TC-500V			
BPBH1301	BH1301	6.0V / 1300 mAh / NiMH / clip	$35.00
CL4063	N/A	Battery clip	$7.80
Hytera (HYT) TC-508 / TC-508U / TC-5018V			
BPBL2003LI-1	BL2003	7.4V / 2000 mAh / Li-Ion	$55.60
Hytera (HYT) TC-518 / TC-518U / TC-518V			
BPBL2003LI-1	BL2003	7.4V / 2000 mAh / Li-Ion	$55.60
Hytera (HYT) TC-580			
BPBL2003LI-1	BL2003	7.4V / 2000 mAh / Li-Ion	$55.60
Hytera (HYT) TC-600 / TC-600U / TC-600V			
BPBL1203LI-1	BL1203	7.2V / 1250 mAh / Li-Ion / clip	$47.40
CL1203	N/A	Battery clip	$7.80
Hytera (HYT) TC-610 / TC-610P / TC-620			
BPBL1204LI	BL1204	7.4V / 1200 mAh / Li-Ion	$58.60
BPBL2001LI-1	BL2001	7.4V / 2000 mAh / Li-Ion	$65.20
Hytera (HYT) TC-700 / TC-700U / TC-700V			
BPBL1703-1	BL1703	7.4V / 1800 mAh / Li-Ion	$67.20
Hytera (HYT) TC-780 / TC-780U / TC-780V			
BPBL1703-1	BL1703	7.4V / 1800 mAh / Li-Ion	$67.20
Icom IC-A14 / IC-A14S			
BP232LI	BP232	7.4V / 2200 mAh / Li-Ion	$69.20
Icom IC-A24 / IC-A6			
BP209-1	BP209N	7.2V / 1000 mAh / NiCd / screw-on clip	$48.80
BP210N	BP210N	7.2V / 1650 mAh / NiMH / screw-on clip	$56.60
BP211LI	BP211N	7.4V / 2200 mAh / Li-Ion / screw-on clip	$63.20
CL227	N/A	Battery clip (screw-on)	$7.80
Icom IC-A3 / IC-A22			
BP166 / Special Order	CM-166	12.0V / 700 mAh / NiCd	$144.60
BP166MH / Special Order	CM-166S	12.0V / 2000 mAh / NiMH	$170.40
Icom IC-F11 / IC-F21			
BP209-1	BP209N	7.2V / 1000 mAh / NiCd / screw-on clip	$48.80
BP210N	BP210N	7.2V / 1650 mAh / NiMH / screw-on clip	$56.60
BP211LI	BP211N	7.4V / 2200 mAh / Li-Ion / screw-on clip	$63.20
CL227	N/A	Battery clip (screw-on)	$7.80

Part Number	OEM	Description	MSRP
Icom IC-F11S / IC-F21S			
BP209-1	BP209N	7.2V / 1000 mAh / NiCd / screw-on clip	$48.80
BP210N	BP210N	7.2V / 1650 mAh / NiMH / screw-on clip	$56.60
BP211LI	BP211N	7.4V / 2200 mAh / Li-Ion / screw-on clip	$63.20
CL227	N/A	Battery clip (screw-on)	$7.80
Icom IC-F14 / IC-F15 / IC-F24 / IC-F25 / IC-F33 / IC-F34 / IC-F43 / IC-F43TR / IC-F44			
BP232LI	BP232	7.4V / 2200 mAh / Li-Ion	$69.20
Icom IC-F21BR / IC-F21GM			
BP209-1	BP209N	7.2V / 1000 mAh / NiCd / screw-on clip	$48.80
BP210N	BP210N	7.2V / 1650 mAh / NiMH / screw-on clip	$56.60
BP211LI	BP211N	7.4V / 2200 mAh / Li-Ion / screw-on clip	$63.20
CL227	N/A	Battery clip (screw-on)	$7.80
Icom IC-F3 / IC-F4 / IC-F4TR / IC-T2A / IC-A4 / IC-T2H			
BP196-1	BP196	9.6V / 1000 mAh / NiCd / clip	$50.60
BP196MH	BP196	9.6V / 1500 mAh / NiMH / clip	$51.40
CL196	N/A	Battery clip	$7.80
Icom IC-F3GS / IC-F4GS			
BP209-1	BP209N	7.2V / 1000 mAh / NiCd / screw-on clip	$48.80
BP210N	BP210N	7.2V / 1650 mAh / NiMH / screw-on clip	$56.60
BP211LI	BP211N	7.4V / 2200 mAh / Li-Ion / screw-on clip	$63.20
CL227	N/A	Battery clip (screw-on)	$7.80
Icom IC-F3GT / IC-F4GT			
BP209-1	BP209N	7.2V / 1000 mAh / NiCd / screw-on clip	$48.80
BP210N	BP210N	7.2V / 1650 mAh / NiMH / screw-on clip	$56.60
BP211LI	BP211N	7.4V / 2200 mAh / Li-Ion / screw-on clip	$63.20
CL227	N/A	Battery clip (screw-on)	$7.80
Icom IC-F30GS / IC-F40GS			
BP209-1	BP209N	7.2V / 1000 mAh / NiCd / screw-on clip	$48.80
BP210N	BP210N	7.2V / 1650 mAh / NiMH / screw-on clip	$56.60
BP211LI	BP211N	7.4V / 2200 mAh / Li-Ion / screw-on clip	$63.20
CL227	N/A	Battery clip (screw-on)	$7.80
Icom IC-F30GT / IC-F40GT			
BP209-1	BP209N	7.2V / 1000 mAh / NiCd / screw-on clip	$48.80
BP210N	BP210N	7.2V / 1650 mAh / NiMH / screw-on clip	$56.60
BP211LI	BP211N	7.4V / 2200 mAh / Li-Ion / screw-on clip	$63.20
CL227	N/A	Battery clip (screw-on)	$7.80
Icom IC-F3001 / IC-F3002 / IC-F3003 / IC-F4001 / IC-F4002 / IC-F4003			
BP264MH-1	BP264	7.5V / 1500 mAh / NiMH / clip	$48.60
BP265LI	BP265	7.4V / 2200 mAh / Li-Ion / clip	$81.80
CL4071	N/A	Battery clip	$7.80
Icom IC-F3011 / IC-F4011			
BP232LI	BP232	7.4V / 2200 mAh / Li-Ion	$69.20
Icom IC-F3021 / IC-F3023 / IC-F4021 / IC-F4023			
BP232LI	BP232	7.4V / 2200 mAh / Li-Ion	$69.20
Icom IC-F3101D / IC-F3103D / IC-F4101D / IC-F4103D			
BP264MH-1	BP264	7.5V / 1500 mAh / NiMH / clip	$48.60
BP265LI	BP265	7.4V / 2200 mAh / Li-Ion / clip	$81.80
CL4071	N/A	Battery clip	$7.80
Icom IC-F3161 (DT/DS/T/S) / IC-F3163 (T/S) / IC-F4161 (DT/DS/T/S) / IC-F4163 (T/S)			

Part Number	OEM	Description	MSRP
BP232LI	BP232	7.4V / 2200 mAh / Li-Ion	$69.20
Icom IC-F50 / IC-F50V / IC-F60 / IC-F60V			
BP227LI	BP227	7.2V / 1800 mAh / Li-Ion / clip	$70.80
CL227	N/A	Battery clip (screw-on)	$7.80
Icom IC-F70 (DS/DT/S/T) / IC-F80 (DS/DT/S/T)			
BP254LI	BP254	7.4V / 3040 mAh / Li-Ion	$115.80
Icom IC-F9011 (T/S/B) / IC-F9021 (T/S/B)			
BP254LI	BP254	7.4V / 3040 mAh / Li-Ion	$115.80
Icom IC-T70A / IC-T70E			
BP264MH-1	BP264	7.5V / 1500 mAh / NiMH / clip	$48.60
BP265LI	BP265	7.4V / 2200 mAh / Li-Ion / clip	$81.80
CL4071	N/A	Battery clip	$7.80
Icom IC-V8			
BP209-1	BP209N	7.2V / 1000 mAh / NiCd / screw-on clip	$48.80
BP210N	BP210N	7.2V / 1650 mAh / NiMH / screw-on clip	$56.60
BP211LI	BP211N	7.4V / 2200 mAh / Li-Ion / screw-on clip	$63.20
CL227	N/A	Battery clip (screw-on)	$7.80
Icom IC-V80			
BP264MH-1	BP264	7.5V / 1500 mAh / NiMH / clip	$48.60
BP265LI	BP265	7.4V / 2200 mAh / Li-Ion / clip	$81.80
CL4071	N/A	Battery clip	$7.80
Icom IC-V82 / IC-U82			
BP209-1	BP209N	7.2V / 1000 mAh / NiCd / screw-on clip	$48.80
BP210N	BP210N	7.2V / 1650 mAh / NiMH / screw-on clip	$56.60
BP211LI	BP211N	7.4V / 2200 mAh / Li-Ion / screw-on clip	$63.20
CL227	N/A	Battery clip (screw-on)	$7.80
Kenwood NX200 / NX200S / NX300 / NX300S			
BPKNB47L	KNB47L	7.4V / 1900 mAh / Li-Ion	$89.80
BPKNB48L	KNB48L	7.4V / 2600 mAh / Li-Ion	$99.80
PMKNB48LIP	KNB48L	7.4V / 3300 mAh / LiPo / PolyMax HPC	$125.80
Kenwood NX210			
BP5631-1	KNB31A	7.2V / 1400 mAh / NiCd	$67.80
BP5632MH	KNB32N / KNB54N	7.2V / 2500 mAh / NiMH	$77.00
BP5633LI	KNB33L	7.4V / 1900 mAh / Li-Ion	$77.60
BPKNB43LIP	KNB43L	7.4V / 3600 mAh / LiPo	$132.40
PMKNB43LIP	KNB43L	7.4V / 4100 mAh / LiPo / PolyMax HPC	$139.80
Kenwood NX220 / NX320 / NX420			
BPKNB57LIXT	KNB57L	7.4V / 2300 mAh / 17.0 Wh / Li-Ion	$87.40
BP5635LI	KNB35L / KNB57L	7.4V / 1900 mAh / Li-Ion	$79.80
BPKNB55LIP	KNB55L	7.4V / 1800 mAh / 13.3 Wh / LiPo	$59.80
BPKNB55LIP-S	KNB55L	7.4V / 1600 mAh / 11.8 Wh / LiPo	$59.40
BPKNB55LI-1	KNB55L	7.4V / 1500 mAh / Li-Ion	$57.60
BP5626MH-1	KNB26N / KNB56N	7.2V / 2000 mAh / NiMH	$56.80
BPKNB25-1	KNB25A	7.2V / 1200 mAh / NiCd	$49.20
BPKNB25CSOR	N/A	Alkaline clamshell - orange	$36.60
Kenwood NX240V / NX340U			
BPKNB29MHXT-1	KNB29N	7.5V / 2100 mAh / NiMH	$43.80
BPKNB45LI	KNB45L	7.4V / 1900 mAh / Li-Ion	$65.40
Kenwood NX410 / NX411			

Part Number	OEM	Description	MSRP
BP5631-1	KNB31A	7.2V / 1200 mAh / NiCd	$67.80
BP5632MH	KNB32N / KNB54N	7.2V / 2500 mAh / NiMH	$77.00
BP5633LI	KNB33L	7.4V / 1900 mAh / Li-Ion	$77.60
BPKNB43LIP	KNB43L	7.4V / 3600 mAh / LiPo	$132.40
PMKNB43LIP	KNB43L	7.4V / 4100 mAh / LiPo / PolyMax HPC	$139.80
Kenwood TK190 / TK280 / TK290 / TK380 / TK390			
BP5617-1	KNB17A	7.2V / 1200 mAh / NiCd	$50.80
BPKNB17-1	KNB17A	7.2V / 1500 mAh / NiCd	$53.80
BP5617MH	KNB22N	7.2 V / 2000 mAh / NiMH	$58.80
Kenwood TK210 / TK230 / TK230SP / TK310 / TK330 / TK330SP			
BP5623	KNB3	7.2V / 1200 mAh / NiCd	$56.60
Kenwood TK2100 / TK3100 / TK3101			
BP5615-1	KNB15A	7.2V / 1200 mAh / NiCd	$45.00
BPKNB15-1	KNB15A	7.2V / 1500 mAh / NiCd	$47.80
BP5615MH	KNB20N	7.2V / 2000 mAh / NiMH	$57.40
Kenwood TK2140 / TK2160 / TK2170 / TK3140 / TK3160 / TK3170 / TK3173			
BPKNB57LIXT	KNB57L	7.4V / 2300 mAh / 17.0 Wh / Li-Ion	$87.40
BP5635LI	KNB35L / KNB57L	7.4V / 1900 mAh / Li-Ion	$79.80
BPKNB55LIP	KNB55L	7.4V / 1800 mAh / 13.3 Wh / LiPo	$59.80
BPKNB55LIP-S	KNB55L	7.4V / 1600 mAh / 11.8 Wh / LiPo	$59.40
BPKNB55LI-1	KNB55L	7.4V / 1500 mAh / Li-Ion	$57.60
BP5626MH-1	KNB26N / KNB56N	7.2V / 2000 mAh / NiMH	$56.80
BPKNB25-1	KNB25A	7.2V / 1200 mAh / NiCd	$49.20
BPKNB25CSOR	N/A	Alkaline clamshell - orange	$36.60
Kenwood TK2180 / TK3180			
BP5631-1	KNB31A	7.2V / 1400 mAh / NiCd	$67.80
BP5632MH	KNB32N / KNB54N	7.2V / 2500 mAh / NiMH	$77.00
BP5633LI	KNB33L	7.4V / 1900 mAh / Li-Ion	$77.60
BPKNB43LIP	KNB43L	7.4V / 3600 mAh / LiPo	$132.40
PMKNB43LIP	KNB43L	7.4V / 4100 mAh / LiPo / PolyMax HPC	$139.80
Kenwood TK220 / TK240 / TK240D / TK320 / TK340 / TK340D			
BP5625XT	KNB5A	7.5V / 1100 mAh / NiCd	$49.60
Kenwood TK2200 / TK2200L / TK3200 / TK3200L			
BPKNB29MHXT-1	KNB29N	7.5V / 2100 mAh / NiMH	$43.80
BPKNB45LI	KNB45L	7.4V / 1900 mAh / Li-Ion	$65.40
Kenwood TK2200LP / TK3200LP			
BPKNB29MHXT-1	KNB29N	7.5V / 2100 mAh / NiMH	$43.80
BPKNB45LI	KNB45L	7.4V / 1900 mAh / Li-Ion	$65.40
Kenwood TK2212L / TK3212L			
BPKNB29MHXT-1	KNB29N	7.5V / 2100 mAh / NiMH	$43.80
BPKNB45LI	KNB45L	7.4V / 1900 mAh / Li-Ion	$65.40
Kenwood TK2300 / TK3300			
BPKNB29MHXT-1	KNB29N	7.5V / 2100 mAh / NiMH	$43.80
BPKNB45LI	KNB45L	7.4V / 1900 mAh / Li-Ion	$65.40
Kenwood TK2312 / TK3312			
BPKNB29MHXT-1	KNB29N	7.5V / 2100 mAh / NiMH	$43.80
BPKNB45LI	KNB45L	7.4V / 1900 mAh / Li-Ion	$65.40
Kenwood TK2300VP / TK3300UP (ProTalk)			
BPKNB29MHXT-1	KNB29N	7.5V / 2100 mAh / NiMH	$43.80

Part Number	OEM	Description	MSRP
BPKNB45LI	KNB45L	7.4V / 1900 mAh / Li-Ion	$65.40
Kenwood TK2302VK / TK3302UK			
BPKNB29MHXT-1	KNB29N	7.5V / 2100 mAh / NiMH	$43.80
BPKNB45LI	KNB45L	7.4V / 1900 mAh / Li-Ion	$65.40
Kenwood TK2360 / TK3360			
BPKNB57LIXT	KNB57L	7.4V / 2300 mAh / 17.0 Wh / Li-Ion	$87.40
BP5635LI	KNB35L / KNB57L	7.4V / 1900 mAh / Li-Ion	$79.80
BPKNB55LIP	KNB55L	7.4V / 1800 mAh / 13.3 Wh / LiPo	$59.80
BPKNB55LIP-S	KNB55L	7.4V / 1600 mAh / 11.8 Wh / LiPo	$59.40
BPKNB55LI-1	KNB55L	7.4V / 1500 mAh / Li-Ion	$57.60
BP5626MH-1	KNB26N / KNB56N	7.2V / 2000 mAh / NiMH	$56.80
BPKNB25-1	KNB25A	7.2V / 1200 mAh / NiCd	$49.20
BPKNB25CSOR	N/A	Alkaline clamshell - orange	$36.60
Kenwood TK2400VP / TK3400UP			
BPKNB29MHXT-1	KNB29N	7.5V / 2100 mAh / NiMH	$43.80
BPKNB45LI	KNB45L	7.4V / 1900 mAh / Li-Ion	$65.40
Kenwood TK2402VK / TK3402UK			
BPKNB29MHXT-1	KNB29N	7.5V / 2100 mAh / NiMH	$43.80
BPKNB45LI	KNB45L	7.4V / 1900 mAh / Li-Ion	$65.40
Kenwood TK250 / TK350 / TK353 / TK259 / TK359 (black)			
BP5611	KNB11A	7.2V / 900 mAh / NiCd (short case)	$43.20
BP5612-1	KNB12A	7.2V / 1200mAh / NiCd (long case)	$46.60
BP5612MH	KNB12A	7.2V / 1800 mAh / NiMH (long case)	$54.80
Kenwood TK260 / TK260G / TK270 / TK360 / TK360G / TK370 / TK370G			
BP5615-1	KNB15A	7.2V / 1200 mAh / NiCd	$45.00
BPKNB15-1	KNB15A	7.2V / 1500 mAh / NiCd	$47.80
BP5615MH	KNB20N	7.2V / 2000 mAh / NiMH	$57.40
Kenwood TK272G / TK372G / TK373G			
BP5615-1	KNB15A	7.2V / 1200 mAh / NiCd	$45.00
BPKNB15-1	KNB15A	7.2V / 1500 mAh / NiCd	$47.80
BP5615MH	KNB20N	7.2V / 2000 mAh / NiMH	$57.40
Kenwood TK3130 / TK3131			
BPKNB27MH	KNB27	3.6V / 1400 mAh / NiMH	$34.00
Kenwood TK3230XLS / ProTalk XLS			
BPKNB46LI	KNB46L	3.7V / 2000 mAh / Li-Ion	$53.60
Kenwood TK430 / TK431			
BP5629-1	KNB9	7.5V / 1200 mAh / NiCd	$49.80
BP5629MH	KNB9	7.5 V / 1500 mAh / NiMH	$55.40
Kenwood TK480 / TK481			
BP5617-1	KNB17A	7.2V / 1200 mAh / NiCd	$50.80
BPKNB17-1	KNB17A	7.2V / 1500 mAh / NiCd	$53.80
BP5617MH	KNB22N	7.2 V / 2000 mAh / NiMH	$58.80
Kenwood TK5210 / TK5210G / TK5310 / TK5310G			
BP5631-1	KNB31A	7.2V / 1400 mAh / NiCd	$67.80
BP5632MH	KNB32N / KNB54N	7.2V / 2500 mAh / NiMH	$77.00
BP5633LI	KNB33L	7.4V / 1900 mAh / Li-Ion	$77.60
BPKNB43LIP	KNB43L	7.4V / 3600 mAh / LiPo	$132.40
PMKNB43LIP	KNB43L	7.4V / 4100 mAh / LiPo / PolyMax HPC	$139.80

Part Number	OEM	Description	MSRP
Kenwood TK5220 / TK5320			
BPKNB47L	KNB47L	7.4V / 1900 mAh / Li-Ion	$89.80
BPKNB48L	KNB48L	7.4V / 2600 mAh / Li-Ion	$99.80
PMKNB48LIP	KNB48L	7.4V / 3300 mAh / LiPo / PolyMax HPC	$125.80
Kenwood TK5400			
BP5617-1	KNB17A	7.2V / 1200 mAh / NiCd	$50.80
BPKNB17-1	KNB17A	7.2V / 1500 mAh / NiCd	$53.80
BP5617MH	KNB22N	7.2 V / 2000 mAh / NiMH	$58.80
Kenwood TK5410			
BP5631-1	KNB31A	7.2V / 1400 mAh / NiCd	$67.80
BP5632MH	KNB32N / KNB54N	7.2V / 2500 mAh / NiMH	$77.00
BP5633LI	KNB33L	7.4V / 1900 mAh / Li-Ion	$77.60
BPKNB43LIP	KNB43L	7.4V / 3600 mAh / LiPo	$132.40
PMKNB43LIP	KNB43L	7.4V / 4100 mAh / LiPo / PolyMax HPC	$139.80
FOR ADDITIONAL HARRIS (M/A-COM) BATTERIES SEE HARRIS LISTING			
M/A-COM / GE / Ericsson: Cougar / 400P / 600P / 605P / 625P			
BPTOPB500	TOPB100H	7.2V / 2150 mAh / NiMH / clip	$65.40
CLTOPB500	N/A	Battery clip	$7.80
M/A-COM / GE / Ericsson: EDACS 300P			
BP212/2XT-1	BKB191212/2	7.5V / 1200 mAh / NiCd / clip	$56.80
BP212/2MH	BKB191212/2	7.5V / 2000 mAh / NiMH / clip	$61.80
CL4063	N/A	Battery clip	$7.80
M/A-COM / GE / Ericsson: Jaguar 700P / 700Pi / 710P / SPD2000			
BP1912-1	BKB191210/33	7.5V / 1500 mAh / NiCd	$70.40
BP1912CSBK	N/A	Alkaline clamshell - black	$36.60
BP1912LIP	N/A	7.4V / 3600 mAh / 26.6 Wh / LiPo	$122.20
BP1912MH	BKB191210/34	7.5V / 2700 mAh / NiMH	$84.40
LEHAPA7YMHIS	HAPA7Y	7.5 V / 2450 mAh / NiMH / IS	$123.00
PM1912LIP	N/A	7.4V / 4100 mAh / LiPo / PolyMax HPC	$139.80
M/A-COM / GE / Ericsson: Monogram Series			
BP1155	344A506P1	10.8V / 600 mAh / NiCd (short)	$53.60
BP1170	344A506P3	10.8V / 1200 mAh / NiCd (long)	$59.00
M/A-COM / GE / Ericsson: MPA / MPD / PLS / TPX			
BP8607	BKB191205/3	7.5V / 1800 mAh / NiCd (long)	$64.00
BP8507-17	BKB191205/1	7.5V / 1200 mAh / NiCd (short)	$64.00
M/A-COM / GE / Ericsson: M-RK I / M-RK II / Comnet			
BP2781	344A3278P1	7.5V / 1800 mAh / NiCd (long)	$61.80
BP8381-1	19A149838P1	7.5V / 1000 mAh / NiCd (short)	$51.60
BP8381MH	19A149838P1	7.5V / 1500 mAh / NiMH (short)	$55.20
BP8381MHXT	19A149838P1	7.5V / 3000 mAh / NiMH (long)	$79.80
M/A-COM / Harris: P5100 / P5130 / P5150			
BP1912-1	BKB191210/33	7.5V / 1500 mAh / NiCd	$70.40
BP1912CSBK	N/A	Alkaline clamshell - black	$36.60
BP1912LIP	N/A	7.4V / 3600 mAh / 26.6 Wh / LiPo	$122.20
BP1912MH	BKB191210/34	7.5V / 2700 mAh / NiMH	$84.40
LEHAPA7YMHIS	HAPA7Y	7.5 V / 2450 mAh / NiMH / IS	$123.00
PM1912LIP	N/A	7.4V / 4100 mAh / LiPo / PolyMax HPC	$139.80
M/A-COM / Harris: P5200			
BP1912-1	BKB191210/33	7.5V / 1500 mAh / NiCd	$70.40
BP1912CSBK	N/A	Alkaline clamshell - black	$36.60
BP1912LIP	N/A	7.4V / 3600 mAh / 26.6 Wh / LiPo	$122.20

Part Number	OEM	Description	MSRP
BP1912MH	BKB191210/34	7.5V / 2700 mAh / NiMH	$84.40
LEHAPA7YMHIS	HAPA7Y	7.5 V / 2450 mAh / NiMH / IS	$123.00
PM1912LIP	N/A	7.4V / 4100 mAh / LiPo / PolyMax HPC	$139.80
M/A-COM / Harris: P7100 / P7130 / P7150 / P7170			
BP1912-1	BKB191210/33	7.5V / 1500 mAh / NiCd	$70.40
BP1912CSBK	N/A	Alkaline clamshell - black	$36.60
BP1912LIP	N/A	7.4V / 3600 mAh / 26.6 Wh / LiPo	$122.20
BP1912MH	BKB191210/34	7.5V / 2700 mAh / NiMH	$84.40
LEHAPA7YMHIS	HAPA7Y	7.5 V / 2450 mAh / NiMH / IS	$123.00
PM1912LIP	N/A	7.4V / 4100 mAh / LiPo / PolyMax HPC	$139.80
M/A-COM / Harris: P7200 / P7230 / P7250 / P7270			
BP1912-1	BKB191210/33	7.5V / 1500 mAh / NiCd	$70.40
BP1912CSBK	N/A	Alkaline clamshell - black	$36.60
BP1912LIP	N/A	7.4V / 3600 mAh / 26.6 Wh / LiPo	$122.20
BP1912MH	BKB191210/34	7.5V / 2700 mAh / NiMH	$84.40
LEHAPA7YMHIS	HAPA7Y	7.5 V / 2450 mAh / NiMH / IS	$123.00
PM1912LIP	N/A	7.4V / 4100 mAh / LiPo / PolyMax HPC	$139.80
M/A-COM / GE / Ericsson: Panther 400P / 600P / 625P			
BPTOPB500	N/A	7.2 V / 2150 mAh / NiMH / clip	$65.40
CLTOPB500	N/A	Battery clip	$7.80
M/A-COM / GE / Ericsson: Panther 405P / 605P			
BPTOPB500	N/A	7.2 V / 2150 mAh / NiMH / clip	$65.40
CLTOPB500	N/A	Battery clip	$7.80
M/A-COM / GE / Ericsson: Panther 500P / KPC300 / KPC400 / LPE200			
BP1202	BKB191202	7.5V / 1500 mAh / NiCd (long)	$63.40
BP1202MH	BKB191202	7.5V / 2700 mAh / NiMH (long)	$80.40
BP1203-1	BKB191203	7.5V / 1200 mAh / NiCd (short)	$53.60
BP1203MH	BKB191203/1	7.5V / 2000 mAh / NiMH (short)	$59.80
M/A-COM / GE / Ericsson: PCS			
BP2931XXT	19A705293P1	7.5V / 1200 mAh / NiCd (short)	$63.00
BP2932	19A705293P2	7.5V / 1800 mAh / NiCd (long)	$62.00
Maxon Comm-panion CP0510 / CP0510HD / CP0515 / CP0520 / SP-5050D / TAD1510 / TAD1510S / TAD1520			
BP4W	MA181	11.3V / 600 mAh / NiCd	$30.80
Maxon SL100			
BPQPA1350	QPA-1350	7.2V / 1500 mAh / NiMH	$51.60
Maxon SL25 / SL55 / SP120			
BPQPA1200	QPA-1200	7.5V / 1200 mAh / NiCd / clip	$48.00
Maxon SL400 / SL600			
BP1155	SA1155/1255	10.8V / 600 mAh / NiCd (short)	$53.60
BP1170	SA1170/1270	10.8V / 1200 mAh / NiCd (long)	$59.00
Maxon SP130 / SP130U / SP132U2 / SP140 / SP140U / SP140U2 / SP150			
BPMPA1200-1	MPA1200	7.5V / 1200 mAh / NiCd / clip	$48.00
Maxon SP310 / SP320 / SP330 / SP340			
BPACC200-1	ACC-200	7.2V / 1000 mAh / NiCd / clip	$49.20
BPACC200MH	ACC-200HC	7.2V / 1600 mAh / NiMH / clip	$54.60
CL9628	N/A	Battery clip	$7.80
Maxon SP2000 / SP2250 / SP2500 / SP2550 / SP2850			
BP1155	SA1155/1255	10.8V / 600 mAh / NiCd (short)	$53.60

Part Number	OEM	Description	MSRP
BP1170	SA1170/1270	10.8V / 1200 mAh / NiCd (long)	$59.00
Maxon SP200V2			
BPQPA1350	QPA-1350	7.2V / 1450 mAh / NiMH (button for clip)	$51.60
Maxon / Legacy: PL2215 / PL2245			
BP5615-1	KNB15A	7.2V / 1200 mAh / NiCd	$45.00
BPKNB15-1	KNB15A	7.2V / 1500 mAh / NiCd	$47.80
BP5615MH	KNB20N	7.2V / 2000 mAh / NiMH	$57.40
BPACC202MH	ACC-202	7.2V / 2000 mAh / NiMH	$58.40
Note: Radios require TWC1-KW1A charger when used with BP5615 / BPKNB15-1 / BP5615MH.			
Maxon / Legacy: PL2415 / PL2445			
BP5615-1	KNB15A	7.2V / 1200 mAh / NiCd	$45.00
BPKNB15-1	KNB15A	7.2V / 1500 mAh / NiCd	$47.80
BP5615MH	KNB20N	7.2V / 2000 mAh / NiMH	$57.40
BPACC202MH	ACC-202	7.2V / 2000 mAh / NiMH	$58.40
Note: Radios require TWC1-KW1A charger when used with BP5615 / BPKNB15-1 / BP5615MH.			
Midland 70-440BP			
BP18-B02MH	18-B02	7.2V / 1500 mAh / NiMH	$53.60
Midland PL5000 Series / PL5161 / PL5164			
BP5615-1	KNB15A	7.2V / 1200 mAh / NiCd	$45.00
BPKNB15-1	KNB15A	7.2V / 1500 mAh / NiCd	$47.80
BP5615MH	KNB20N	7.2V / 2000 mAh / NiMH	$57.40
BPACC202MH	ACC-202	7.2V / 2000 mAh / NiMH	$58.40
Note: Radios require TWC1-KW1A charger when used with BP5615 / BPKNB15-1 / BP5615MH.			
Midland SP220 / SP230 / SP240 / SP250			
BPQPA1350	ACC-206	7.2V / 1500 mAh / NiMH (button for clip)	$51.60
Midland SP410 / SP420 / SP430 / SP440			
BP18-B02MH	18-B02	7.2V / 1500 mAh / NiMH / clip	$53.60
Midland STP-105B / STP-404A (APCO P25)			
BPACC1800LIS	ACC-1800	7.4V / 1800 mAh / Li-Ion / smart	$141.20
Regency / Relm: HH400 / HH2500 / Mini-Comm 1 / Mini-Comm 2			
BP4W	BP34	11.3V / 600 mAh / NiCd	$30.80
Relm / BK (Bendix-King Radios): DPH / EPH / GPH / LPA / LPH / LPX			
BP109BK	LAA0193	10.0V / 1400 mAh / NiCd (black)	$55.80
BP109CSBLA	LAA0191	Alkaline clamshell - black	$38.40
BP109CSORA	LAA0139	Alkaline clamshell - orange	$38.40
BP170LI	LAA0170	10.8V / 2200 mAh / Li-Ion (black)	$79.40
BP171LI-SC	LAA0171	10.8V / 2000 mAh / Li-Ion (short / black)	$123.80
BP170LIXT	LAA0172	10.8V / 3800 mAh / Li-Ion (black)	$162.80
Relm (KNG Series): KNG-P150 / KNG-P400 / KNG-P500 / KNG-P800			
BP0100LI	KAA0100	10.8V / 1950 mAh / Li-Ion / clip / smart	$136.80
BP0101LIXT	KAA0101	10.8V / 3600 mAh / Li-Ion / clip / smart	$165.80
CL0100	KAA0400	Battery clip	$7.80
Relm (MP Series): MPV / MPV08 / MPV32 / MPU08 / MPU32			
BPMP1	BPMP1	10.8V / 1200 mAh / NiCd	$109.60
Relm RPU3000, RPU3600, RPU3600A, RPV3000, RPV3600, RPV3600A			
BPRP1700LI	BPRP1700	7.4V / 1700 mAh / Li-Ion / clip	$75.60
CL1700	N/A	Battery clip	$7.80

Part Number	OEM	Description	MSRP
Relm RPU416 / RPU499 / RPV516 / RPV599			
BPRP1500MH	BPRP1500	7.2V / 1500 mAh / NiMH / clip	$53.60
CL7144	N/A	Battery clip	$7.80
Relm RPU7500 / RPV7500			
BPBL1703-1	BL1703	7.4V / 1800 mAh / Li-Ion	$67.20
Relm WHS150 / WHS450			
BP007 / Special Order	BP007	10.8V / 1200 mAh / NiCd (2 contacts)	$105.60
BP007R / Special Order	BP007	10.8V / 1200 mAh / NiCd (4 contacts)	$108.60
Ritron Patriot RTX150 / RTX450			
BPX8NMH	BTX-8NMH	9.6V / 1650 mAh / NiMH	$58.60
BPX8NXT	BTX-8N	9.6V / 1000 mAh / NiCd	$49.40
Standard C158 / C228 / C528 / C558 / C628 / HX190 / HX240			
BP152XT / Special Order	CNB152A	12.0V / 1200 mAh / NiCd	$123.00
Standard HX580 / HX581T / HX582T			
BP584	CNB584A	9.6V / 1100 mAh / NiCd	$55.60
Tait Orca 5000 Series			
BPTOPB500	TOPB100H	7.2V / 2150 mAh / NiMH / clip	$65.40
CLTOPB500	N/A	Battery clip	$7.80
Tait TP8100 / TP8110 / TP8115 / TP8120 / TP8135 / TP8140			
BPBA100LI	TPK-BA-100	7.2V / 1950 mAh / Li-Ion / clip	$84.60
CLBA100	N/A	Battery clip	$7.80
Tait TP9100 / TP9135 / TP9140 / TP9155 / TP9160			
BPBA203MH	TPA-BA-203	7.2V / 2400 mAh / NiMH / clip / smart	$103.20
BPBA206LI	TPA-BA-206	7.4V / 2500 mAh / Li-Ion / clip / smart	$111.40
CLBA100	N/A	Battery clip	$7.80
Uniden APH / APL / APU			
BP4W	APX500	11.3V / 600 mAh / NiCd	$30.80
Uniden BC100XLT / BC200XLT / BC205XLT			
BP100XLT	BP100, BP200, BP205	7.2V / 1200 mAh / NiCd	$113.60
Note: BP100XLT is a special order item.			
Uniden SPH416 / SPH516			
BP1070-1	APX1070	7.2V / 1200 mAh / NiCd	$47.80
Uniden SPS301 / SPS310 / SPH320 / SP1100 / SPS310 / SPS320			
BP1100-1	APX1100	7.2V / 1200 mAh / NiCd	$47.80
Uniden SPS801 / SPS802 / SPS155 / SPS454R			
BP1105	APX1105	7.2V / 1200 mAh / NiCd	$49.40
Uniden SPU51 / SPH51			
BP1120	APX1120	7.5V / 1200 mAh / NiCd	$48.40
Vertex Standard EVX530 / EVX531 / EVX534 / EVX539			
BPV134LI	FNB-V134LI-UNI	7.4V / 2500 mAh / Li-Ion / clip	$79.80
CLV113	N/A	Battery clip	$7.80
Vertex Standard FT10R / FT40R / FT50 / VX10			
BP36247-1	FNB-47	7.2V / 1200 mAh / NiCd / clip	$53.80
BP36247MH	FNB-49	7.2V / 2000 mAh / NiMH / clip	$65.20
CL36247	N/A	Battery clip	$7.80

Part Number	OEM	Description	MSRP
Vertex Standard FT2003 / FT4703 / FTC703A / FTC708A / FTC2203 / FTC2205 / FTC5203			
BP4W	FNB-2	11.3V / 600 mAh / NiCd	$30.80
Vertex Standard FT23R / FT33R / FT73R / FT411 / FT470 / FT811 / FTH2005 / FTH7005			
BP36212	FNB-12	12.0V / 700 mAh / NiCd	$52.60
Vertex Standard VX130 / VX150 / VX160 / VX180 / VX210 / VX400 / VX410 / VX420			
BP36257-1	FNB-V57	7.2V / 1000 mAh / NiCd	$47.40
BP36257MHXT	FNB-V83	7.2V / 1600 mAh / NiMH	$46.80
BP36267LI	FNB-V67LI	7.2V / 2200 mAh / Li-Ion	$57.80
BPV94MH-1	FNB-V94	7.2V / 1800 mAh / NiMH	$41.80
Vertex Standard VX230 / VX231			
BPV104LI	FNB-V104LI	7.4V / 2200 mAh / Li-Ion	$68.40
BPV132LI	FNB-V132LI-UNI	7.4V / 2500 mAh / Li-Ion	$69.80
Vertex Standard VX350 / VX351 / VX354			
BP36295LI	FNB-V95LI / FNBV96LI	7.4V / 2200 mAh / Li-Ion	$55.80
BPV130LI	FNB-V130LI-UNI	7.4V / 2500 mAh / Li-Ion	$59.80
Vertex Standard VX450 / VX451 / VX454 / VX459			
BPV113LI	FNB-V113LI	7.4V / 2500 mAh / Li-Ion / clip (thick housing)	$79.80
BPV134LI	FNB-V134LI-UNI	7.4V / 2500 mAh / Li-Ion / clip	$79.80
CLV113	N/A	Battery clip	$7.80
Vertex Standard VX500 / VX510 / VX520 / VX520UD / VX530 / VX537			
BP36229MH	FNB-29A	7.2V / 2000 mAh / NiMH	$56.20
Vertex Standard VX600 / VX600V / VX600U / VX900 / VX900V / VX900U			
BP36268LI	FNB-V68LI	7.4V / 2200 mAh / Li-Ion	$75.80
Vertex Standard VX800			
BP36262LI	FNB-V62LI	7.2V / 2200 mAh / Li-Ion	$59.80
Vertex Standard VX820 / VX821 / VX824 / VX829			
BP36287LI	FNB-V87LI	7.4V / 2200 mAh / Li-Ion	$66.00
BP36292LI	FNB-V92LI	7.4V / 3000 mAh / Li-Ion	$97.00
Vertex Standard VX870 / VX871 / VX874 / VX879			
BP36287LI	FNB-V87LI	7.4V / 2200 mAh / Li-Ion	$66.00
BP36292LI	FNB-V92LI	7.4V / 3000 mAh / Li-Ion	$97.00
Vertex Standard VX920 / VX921 / VX924 / VX929			
BP36287LI	FNB-V87LI	7.4V / 2200 mAh / Li-Ion	$66.00
BP36292LI	FNB-V92LI	7.4V / 3000 mAh / Li-Ion	$97.00
Vertex Standard VX970 / VX971 / VX974 / VX979			
BP36287LI	FNB-V87LI	7.4V / 2200 mAh / Li-Ion	$66.00
BP36292LI	FNB-V92LI	7.4V / 3000 mAh / Li-Ion	$97.00
Vertex Standard VDX720			
BP4065MH	PMNN4065A	7.2V / 1600 mAh / NiMH / clip	$68.60
BP4066LIIC	FNB-V117LI	7.2V / 2500 mAh / Li-Ion / clip / smart (slim)	$95.80
CL7144	N/A	Battery clip	$7.80
Wilson / HH Series			
BP4W	BP4 / BP4C	11.3V / 600 mAh / NiCd	$30.80

PAGER BATTERIES

Motorola BPR2000 / Dimension 2000 / Keynote			

Part Number	OEM	Description	MSRP
BP7057	NLN7057	1.25V / 600 mAh / NiCd	$5.40
Motorola Dimension IV / Dimension 1000 / Director / Metro-Pageboy III / Minitor / Pagecom / PMR2000 / Spirit			
BP6965	NLN6965A	1.2V / 150 mAh / NiCd	$9.80
Motorola Director II / Minitor II			
BP4974	NLN4974	2.6V / 170 mAh / NiCd	$7.20
Motorola Minitor III / IV			
BP250AAA	NYN8345	1.2V / 250 mAh / NiCd	$3.00
Motorola Minitor V			
BP5707MH	RLN5707	3.6V / 600mAh / NiMH	$23.20
FRS RADIO BATTERIES			
Motorola Spirit GT Plus			
BP9720MH	HNN9720B	3.6V / 700 mAh / NiMH	$37.00
Motorola Talkabout T4900 / T5320 / T5400 / T5410 / T5420 / T5600 / T5620 / T5700 / T5710 / T5720 / T5800 / T5820 / T5950			
BP4002	HKNN4002	3.6V / 700 mAh / NiCd	$14.20
BP4002MH-1	HKNN4002A	3.6V / 1500 mAh / NiMH	$24.20
RECHARGEABLE FLASHLIGHT BATTERIES			
Maglite ML-5000			
BP522	ARXX075	6.0V / 2200 mAh / NiCd	$30.80
BP522MH	ARXX075	6.0V / 3500 mAh / NiMH	$39.80
Streamlight SL-15X / SL-20XP			
BP25170	25170	6.0V / 1800 mAh / NiCd	$30.80
Streamlight SL-20 / SL-20S / SL-20X			
BP522	20170	6.0V / 2200 mAh / NiCd	$29.80
BP522MH	ARXX075	6.0V / 3500 mAh / NiMH	$39.80
Streamlight Stinger / PolyStinger			
BP75175	75175	3.6V / 1800 mAh / NiCd	$24.80
AA / AAA ALKALINE BATTERIES			
Rayovac			
AL-RAYAA	N/A	Rayovac AA alkaline battery	$0.60
AL-RAYAAA	N/A	Rayovac AAA alkaline battery	$0.60
AL-RAY9V	N/A	Rayovac 9V alkaline battery	$3.60

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INCLUDES:

TWO-WAY RADIO BATTERIES
FRS RADIO BATTERIES
PAGER BATTERIES
RECHARGEABLE FLASHLIGHT BATTERIES
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Part Number	OEM	Description	MSRP
TWO-WAY RADIO BATTERIES			
Motorola APX4000			
BP4409LIIC	PMNN4409	7.2V / 2500 mAh / Li-Ion / clip / smart	$101.00
Motorola CP100 / i550 / i750 / XTN (XU1100, XU2100, XU2600, XV1100, XV2100, XV2600)			
BP4190	NNTN4190 / NTN8971	4.8V / 1500 mAh / NiMH	$23.20
Motorola CP110			
BP6305LI	RLN6305	7.2V / 2200 mAh / Li-Ion	$75.20
CL6305	N/A	Battery clip	$7.80
Motorola CP125 / AX Series / GP2000 / PRO2150 / VL130			
BP4063MH	PMNN4063AR	7.5V / 1400 mAh / NiMH / clip	$51.60
CL4063	N/A	Battery clip	$7.80
Motorola CP150 / CP200 / CP250 / EP450 / PR400			
BP4496-1	NNTN4496AR	7.5V / 1000 mAh / NiCd / clip (round)	$50.60
BP4497LI	NNTN4497AR	7.2V / 2200 mAh / Li-Ion / clip (round)	$63.60
BP4497LIXT	NNTN4497AR	7.2V / 2500 mAh / Li-Ion / clip (round)	$71.80
BP4851MHXT	NNTN4851A	7.5V / 1650 mAh / NiMH / clip (square)	$58.80
BP4970LI	NNTN4970A	7.2V / 1800 mAh / Li-Ion / clip (slim)	$77.40
BP4970LIP	NNTN4970A	7.4V / 1800 mAh / LiPo / clip (slim)	$77.40
CL9628	N/A	Battery clip	$7.80
Motorola CP185 / CP476 / CP477 / CP1300 / CP1600 / EP350 / P140 / P160 / P180			
BP4080LIXT	PMNN4080AR	7.4V / 2500 mAh / Li-Ion / clip (thick housing)	$88.80
BP4081LI	PMNN4081AR	7.4V / 1900 mAh / Li-Ion / clip (slim housing)	$72.20
BP4082MH	PMNN4082AR	7.4V / 1600 mAh / NiMH / clip (standard)	$65.20
CL7144	N/A	Battery clip	$7.80
Motorola CT150 / CT250 / CT450 / CT450LS / PRO3150			
BP4018XT	PMNN4018AR	7.5V / 1600 mAh / NiMH / clip	$50.60
CL7144	N/A	Battery clip	$7.80
Motorola EX500 / EX600 / PRO5150 Elite			
BP4023LI	JMNN4024CR	7.2V / 1800 mAh / Li-Ion	$76.60
Motorola GP300 / GP600 / GTX / LTS2000 / MTX638 / PTX600			
BP9628MH	WPNN4038A	7.5V / 1500 mAh / NiMH / clip	$49.40
BP9628MHXT	N/A	7.5V / 2000 mAh / NiMH / clip	$59.80
BP9628UNC-1	HNN9628B	7.5V / 1200 mAh / NiCd / clip	$45.20
CL9628	N/A	Battery clip	$7.80
Motorola GP320 / GP340 / GP360 / GP380 / GP640 / GP680 / GP1280			
BP9008	HNN9008AR	7.5V / 1500 mAh / NiMH / clip	$51.40
BP9009	HNN9009AR	7.5V / 2000 mAh / NiMH / clip	$59.80
BP9009HC	HNN9009AR	7.5V / 2700 mAh / NiMH / clip	$75.00
BP9010	HNN9010AR	7.5V / 1600 mAh / NiMH / IS	$96.60
BP9012-1	HNN9012BR	7.5V / 1200 mAh / NiCd / clip	$52.60
BP9013LI	HNN9013DR	7.2V / 1800 mAh / Li-Ion / clip	$74.20
BP9013LIP	N/A	7.4V / 3600 mAh / LiPo / clip	$132.40
BP9858CSBK	N/A	Alkaline clamshell - black	$59.20
BP9858CSOR	N/A	Alkaline clamshell - orange	$59.20
PM9013LIP	N/A	7.4V / 4100 mAh / LiPo / clip / PolyMax HPC	$139.80
CL9008	N/A	Battery clip	$7.80
Motorola GP350			
BP9360-1	HNN9360B	7.5V / 1200 mAh / NiCd / clip	$44.20
BP9360MH	HNN9360A	7.5V / 1500 mAh / NiMH / clip	$50.60
CL9628	N/A	Battery clip	$7.80

Part Number	OEM	Description	MSRP
Motorola GP68 / Spirit SU42 / Spirit SV52			
BP68	PMN4000B	7.5V / 1200 mAh / NiCd	$57.60
Motorola GP900 / GP1200			
BP7143-1	NTN7143CR	7.5V / 1200 mAh / NiCd / clip	$44.40
BP7144-1	NTN7144CR	7.5V / 1500 mAh / NiCd / clip	$47.40
BP7144MH	WPNN4013A	7.5V / 2000 mAh / NiMH / clip	$55.60
BP7144MHXT	N/A	7.5V / 2700 mAh / NiMH / clip	$73.80
CL7144	N/A	Battery clip	$7.80
Motorola HT1000 / JT1000 / Mobius			
BP7143-1	NTN7143CR	7.5V / 1200 mAh / NiCd / clip	$44.40
BP7144-1	NTN7144CR	7.5V / 1500 mAh / NiCd / clip	$47.40
BP7144MH	WPNN4013A	7.5V / 2000 mAh / NiMH / clip	$55.60
BP7144MHXT	N/A	7.5V / 2700 mAh / NiMH / clip	$73.80
CL7144	N/A	Battery clip	$7.80
Motorola HT210 / HT220 / HT220 Omni / MT500 Omni / MT700			
BP4463B-1	NLN4463B	15.0V / 600 mAh / NiCd	$57.60
Motorola HT440			
BP7694	NLN7694A	12.5V / 700 mAh / NiCd	$45.20
Motorola HT50			
BP5453	NTN5453B	10.0V / 1200 mAh / NiCd	$53.60
Motorola HT600 / HT800			
BP5414-1	NTN4585A	10.0V / 1200 mAh / NiCd	$51.40
Motorola HT750 / HT1250 / HT1550 / PRO5150 / PRO7150 / PRO9150			
BP9008	HNN9008AR	7.5V / 1500 mAh / NiMH / clip	$51.40
BP9009	HNN9009AR	7.5V / 2000 mAh / NiMH / clip	$59.80
BP9009HC	HNN9009AR	7.5V / 2700 mAh / NiMH / clip	$75.00
BP9010	HNN9010AR	7.5V / 1600 mAh / NiMH / IS	$96.60
BP9012-1	HNN9012BR	7.5V / 1200 mAh / NiCd / clip	$52.60
BP9013LI	HNN9013AR	7.2V / 1800 mAh / Li-Ion / clip	$74.20
BP9013LIP	N/A	7.4V / 3600 mAh / LiPo / clip	$132.40
BP9858CSBK	N/A	Alkaline clamshell - black	$59.20
BP9858CSOR	N/A	Alkaline clamshell - orange	$59.20
PM9013LIP	N/A	7.4V / 4100 mAh / LiPo / clip / PolyMax HPC	$139.80
CL9008	N/A	Battery clip	$7.80
Motorola HT90			
BP7434-1	NLN7434A	12.5V / 600 mAh / NiCd	$44.60
Motorola Mag One / BPR40			
BP4071MH-1	PMNN4071	7.2V / 1300 mAh / NiMH / clip	$35.80
BP4075LI-1	PMNN4075AR	7.4V / 1700 mAh / Li-Ion / clip	$61.80
CL4071	N/A	Battery clip	$7.80
Motorola MT1000 / MTX800 / MTX900			
BP5447-1	NTN5447BR	10.0V / 1200 mAh / NiCd	$51.40
BP5447MH	NTN5447	10.0V / 2000 mAh / NiMH	$63.20
BP5447MH-SC	N/A	10.0V / 1450 mAh / NiMH (short case)	$57.60
Motorola MT2000 / MTS2000 / MTX8000 / MTX9000 / MTZ2000			
BP7143-1	NTN7143CR	7.5V / 1200 mAh / NiCd / clip	$44.40
BP7144-1	NTN7144CR	7.5V / 1500 mAh / NiCd / clip	$47.40
BP7144MH	WPNN4013A	7.5V / 2000 mAh / NiMH / clip	$55.60
BP7144MHXT	N/A	7.5V / 2700 mAh / NiMH / clip	$73.80

Part Number	OEM	Description	MSRP
CL7144	N/A	Battery clip	$7.80
Motorola MTX850 / MTX850LS / MTX950 / MTX960 / MTX8250LS / MTX9250			
BP9008	HNN9008AR	7.5V / 1500 mAh / NiMH / clip	$51.40
BP9009	HNN9009AR	7.5V / 2000 mAh / NiMH / clip	$59.80
BP9009HC	HNN9009AR	7.5V / 2700 mAh / NiMH / clip	$75.00
BP9010	HNN9010AR	7.5V / 1600 mAh / NiMH / IS	$96.60
BP9012-1	HNN9012BR	7.5V / 1200 mAh / NiCd / clip	$52.60
BP9013LI	HNN9013DR	7.2V / 1800 mAh / Li-Ion / clip	$74.20
BP9013LIP	N/A	7.4V / 3600 mAh / LiPo / clip	$132.40
BP9858CSBK	N/A	Alkaline clamshell - black	$59.20
BP9858CSOR	N/A	Alkaline clamshell - orange	$59.20
PM9013LIP	N/A	7.4V / 4100 mAh / LiPo / clip / PolyMax HPC	$139.80
CL9008	N/A	Battery clip	$7.80
Motorola MX300 Series			
BP5860	NLN5860	7.5V / 1800 mAh / NiCd	$59.80
Motorola P10 / P50+ (High Power) / SP10 / SP50 / HT10 (Approximate height 3.35”.)			
BP9027	HNN9027A	10.8V / 600 mAh / NiCd	$32.80
Motorola P10 / P50+ (Low Power) / SP10 / SP50 / HT10 / Spirit M Series (Approximate height 2.25".)			
BP9044	HNN9044AR	7.5V / 600 mAh / NiCd	$20.40
BP9044MH	N/A	7.5V / 1000 mAh / NiMH	$32.20
Motorola P10 / SP50+ (Low Power) / SP10 / SP50 / HT10 (Approximate height 3.35".)			
BP9018	HNN9018AR	7.5V / 1200 mAh / NiCd (3.35")	$32.60
BP9018MH	N/A	7.5V / 2000 mAh / NiMH (3.35")	$46.40
Motorola P100			
BP5451-1	NTN5451B	10.0V / 1200 mAh / NiCd	$53.60
Motorola P110			
BP8148-1	HNN8148B	7.5V / 1200 mAh / NiCd	$46.20
BP8148MH	WPNN4039AR	7.5V / 1800 mAh / NiMH	$56.80
Motorola P1225 / P1325			
BP9049-1	HNN9049A	7.5V / 1200 mAh / NiCd / clip	$51.80
BP9049MH	HNN9051A	7.5V / 2000 mAh / NiMH / clip	$59.80
CL9628	N/A	Battery clip	$7.80
Motorola P200 / P210			
BP5521-1	NTN5521B	10.0V / 1200 mAh / NiCd	$50.60
BP5521MH	NTN5521B	10.0V / 2000 mAh / NiMH	$63.00
Motorola PR860			
BP9008	HNN9008AR	7.5V / 1500 mAh / NiMH / clip	$51.40
BP9009	HNN9009AR	7.5V / 2000 mAh / NiMH / clip	$59.80
BP9009HC	HNN9009AR	7.5V / 2700 mAh / NiMH / clip	$75.00
BP9010	HNN9010AR	7.5V / 1600 mAh / NiMH / IS	$96.60
BP9012-1	HNN9012BR	7.5V / 1200 mAh / NiCd / clip	$52.60
BP9013LI	HNN9013DR	7.2V / 1800 mAh / Li-Ion / clip	$74.20
BP9013LIP	N/A	7.4V / 3600 mAh / LiPo / clip	$132.40
BP9858CSBK	N/A	Alkaline clamshell - black	$59.20
BP9858CSOR	N/A	Alkaline clamshell - orange	$59.20
PM9013LIP	N/A	7.4V / 4100 mAh / LiPo / clip / PolyMax HPC	$139.80
CL9008	N/A	Battery clip	$7.80
Motorola R750 / R750D			
NM-R750	NTN9037A	4.8V / 1650 mAh / NiMH	$51.40

Part Number	OEM	Description	MSRP
Motorola RDX Series / RDU2020 / RDU2080d / RDU4100 / RDU4160d / RDV2020 / RDV2080d / RDV5100			
BP6305LI	RLN6305	7.2V / 2200 mAh / Li-Ion	$75.20
CL6305	N/A	Battery clip	$7.80
Motorola Saber / Astro Saber / MX1000 / MX2000 / MX3000			
BP4593	NTN8810	7.2V / 1200 mAh / NiCd (short)	$50.00
BP4593LI	N/A	7.4V / 1900 mAh / Li-Ion	$126.40
BP4595	NTN4595DR	7.5V / 1800 mAh / NiCd	$61.20
BP4595MHXT	N/A	7.5V / 2700 mAh / NiMH	$79.60
BP4596IS	NTN4596C	7.5V / 1800 mAh / NiMH / IS	$67.20
Motorola STX / MX800			
BP4327B	NTN4327C	7.5V / 1800 mAh / NiCd	$61.00
Motorola Visar			
BP7394MH	NTN7394CR	7.5V / 2000 mAh / NiMH	$57.60
BP7395-1	NTN7395BR	7.5V / 1200 mAh / NiCd	$50.60
Motorola XPR3300 / XPR3500 / XPR7350 / XPR7380 / XPR7550 / XPR7580 MOTOTRBO Series			
BP4409LIIC	PMNN4409	7.2V / 2500 mAh / Li-Ion / clip / smart	$101.00
Motorola XPR6100 / XPR6300 / XPR6350 / XPR6380 / XPR6500 / XPR6550 / XPR6580 / MOTOTRBO Series			
BP4065MH	PMNN4065A	7.2V / 1600 mAh / NiMH / clip	$68.60
BP4066LIIC	PMNN4066A	7.2V / 2500 mAh / Li-Ion / clip / smart (slim)	$95.80
CL7144	N/A	Battery clip	$7.80
Motorola XTS1500 / XTS2500 / MT1500 / PR1500			
BP9815-1	NTN9815B	7.5V / 1200 mAh / NiCd / clip	$64.00
BP9857XTIS	N/A	7.5V / 2700 mAh / NiMH / IS	$121.80
BP9858LIP	N/A	7.4V / 3600 mAh / 26.6 Wh / LiPo / clip	$132.40
BP9858MH	NTA9858A	7.5V / 2000 mAh / NiMH / clip	$61.20
BP9858MHIC	NTN9858C	7.5V / 2500 mAh / NiMH / clip / smart	$93.80
BP9858MHXT	N/A	7.5V / 2700 mAh / NiMH / clip	$74.80
BP9858CSBK	NNTN6686A	Alkaline clamshell - black	$59.20
BP9858CSOR	NNTN6686A	Alkaline clamshell - orange	$59.20
PM9858LIP	N/A	7.4V / 4100 mAh / LiPo / clip / PolyMax HPC	$139.80
CL9008	N/A	Battery clip	$7.80
Motorola XTS3000 / XTS3500 / XTS5000 / Cosmo			
BP6034LIIC	NNTN6034A	7.2V / 4400 mAh / Li-Ion / clip / smart	$145.80
BP8294-1	NTN8294BR	7.5V / 1500 mAh / NiCd / clip	$61.80
BP8299CSOR	NTN9183A	Alkaline clamshell - orange	$53.00
BP8299LI	N/A	7.2V / 4400 mAh / Li-Ion / clip	$119.80
BP8299LIP	N/A	7.4V / 3600 mAh / LiPo / clip	$132.40
BP8299MH	NTN8923AR	7.5V / 2000 mAh / NiMH / clip	$67.80
BP8299MHXT	NTN8923AR	7.5V / 2700 mAh / NiMH / clip	$77.00
BP8299MHUC	RNN4006B	7.5V / 3800 mAh / NiMH / clip	$83.80
LE4007MHXTIS	RNN4007AR	7.5V / 3600 mAh / NiMH / IS / clip	$119.00
PM8299LIPXT	N/A	7.4V / 4100 mAh / LiPo / clip / PolyMax HPC	$145.80
CL8299	N/A	Battery clip	$7.80
Bearcom BC120			
BP4063MH	PMNN4063AR	7.5V / 1400 mAh / NiMH / clip	$51.60
CL4063	N/A	Battery clip	$7.80
Bearcom BC130			
BP4071MH-1	PMNN4071	7.2V / 1300 mAh / NiMH / clip	$35.80
BP4075LI-1	PMNN4075AR	7.4V / 1700 mAh / Li-Ion / clip	$61.80
CL4071	N/A	Battery clip	$7.80
Blackbox UHF / VHF			

Part Number	OEM	Description	MSRP
BPBH1301	BH1301	6.0V / 1300 mAh / NiMH / clip	$35.00
CL4063	N/A	Battery clip	$7.80
Datron Guardian G25RPV100 Series			
BP6034LIIC	NNTN6034A	7.2V / 4400 mAh / Li-Ion / clip / smart	$145.80
BP8294-1	NTN8294BR	7.5V / 1500 mAh / NiCd / clip	$61.80
BP8299CSOR	NTN9183A	Alkaline clamshell - orange	$53.00
BP8299LI	N/A	7.2V / 4400 mAh / Li-Ion / clip	$119.80
BP8299LIP	N/A	7.4V / 3600 mAh / LiPo / clip	$132.40
BP8299MH	NTN8923AR	7.5V / 2000 mAh / NiMH / clip	$67.80
BP8299MHXT	NTN8923AR	7.5V / 2700 mAh / NiMH / clip	$77.00
BP8299MHUC	RNN4006B	7.5V / 3800 mAh / NiMH / clip	$83.80
LE4007MHXTIS	RNN4007AR	7.5V / 3600 mAh / NiMH / IS / clip	$119.00
PM8299LIPXT	N/A	7.4V / 4100 mAh / LiPo / clip / PolyMax HPC	$145.80
CL8299	N/A	Battery clip	$7.80
EF Johnson 7500 Series / Falcon 7500			
BP196-1	N/A	9.6V / 1000 mAh / NiCd / clip	$50.60
BP196MH	N/A	9.6V / 1500 mAh / NiMH / clip	$51.40
CL196	N/A	Battery clip	$7.80
FOR ADDITIONAL HARRIS BATTERIES SEE M/A-COM LISTING			
Harris HDP100 / HDP150 (Momentum Series)			
BPBL2006LI-1	BL2006	7.4V / 2000 mAh / Li-Ion (slim housing)	$96.40
BPBL2503LIXT	BL2503	7.4V / 2500 mAh / Li-Ion (thick housing)	$102.40
Harris P5300 Series / P5350 / P5370			
BP234063MH	BT-023406-003	7.5V / 2700 mAh / NiMH / clip	$99.80
BP234065LI	BT-023406-005	7.4V / 2500 mAh / Li-Ion / clip	$105.80
PM234361LIP	BT-023436-001	7.4V / 4100 mAh / LiPo / clip / PolyMax HPC	$139.80
CL234065A	N/A	Battery clip	$7.80
Harris P5400 Series / P5450 / P5470			
BP234063MH	BT-023406-003	7.5V / 2700 mAh / NiMH / clip	$99.80
BP234065LI	BT-023406-005	7.4V / 2500 mAh / Li-Ion / clip	$105.80
PM234361LIP	BT-023436-001	7.4V / 4100 mAh / LiPo / clip / PolyMax HPC	$139.80
CL234065A	N/A	Battery clip	$7.80
Harris P5500 Series / P5550 / P5570			
BP234063MH	BT-023406-003	7.5V / 2700 mAh / NiMH / clip	$99.80
BP234065LI	BT-023406-005	7.4V / 2500 mAh / Li-Ion / clip	$105.80
PM234361LIP	BT-023436-001	7.4V / 4100 mAh / LiPo / clip / PolyMax HPC	$139.80
CL234065A	N/A	Battery clip	$7.80
Harris P7300 Series / P7350 / P7370			
BP234063MH	BT-023406-003	7.5V / 2700 mAh / NiMH / clip	$99.80
BP234065LI	BT-023406-005	7.4V / 2500 mAh / Li-Ion / clip	$105.80
PM234361LIP	BT-023436-001	7.4V / 4100 mAh / LiPo / clip / PolyMax HPC	$139.80
CL234065A	N/A	Battery clip	$7.80
Harris XG-25P			
BP234063MH	BT-023406-003	7.5V / 2700 mAh / NiMH / clip	$99.80
BP234065LI	BT-023406-005	7.4V / 2500 mAh / Li-Ion / clip	$105.80
PM234361LIP	BT-023436-001	7.4V / 4100 mAh / LiPo / clip / PolyMax HPC	$139.80
CL234065A	N/A	Battery clip	$7.80
Harris XG-75P			
BP234063MH	BT-023406-003	7.5V / 2700 mAh / NiMH / clip	$99.80
BP234065LI	BT-023406-005	7.4V / 2500 mAh / Li-Ion / clip	$105.80
PM234361LIP	BT-023436-001	7.4V / 4100 mAh / LiPo / clip / PolyMax HPC	$139.80
CL234065A	N/A	Battery clip	$7.80

Part Number	OEM	Description	MSRP
Harris XG-100P (Unity)			
BP1912CSBK	BT-013259-001	Alkaline clamshell - black	$36.60
LEHAPA7YMHIS	HAPA7Y	7.5 V / 2450 mAh / NiMH / IS	$123.00
Hytera DMR PD702 / PD705 / PD706 / PD708 / PD782 / PD785 / PD786 / PD788			
BPBL2006LI-1	BL2006	7.4V / 2000 mAh / Li-Ion (slim housing)	$96.40
BPBL2503LIXT	BL2503	7.4V / 2500 mAh / Li-Ion (thick housing)	$102.40
Hytera DMR X1e / X1p			
BPBL1809LI	BL1809	7.4V / 1900 mAh / Li-Ion	$139.80
Hytera (HYT) TC-320 / TC-320U			
BPBL1715LI-1	BL1715	3.7V / 1800 mAh / Li-Ion	$31.40
Hytera (HYT) TC-500 / TC-500U / TC-500V			
BPBH1301	BH1301	6.0V / 1300 mAh / NiMH / clip	$35.00
CL4063	N/A	Battery clip	$7.80
Hytera (HYT) TC-508 / TC-508U / TC-5018V			
BPBL2003LI-1	BL2003	7.4V / 2000 mAh / Li-Ion	$55.60
Hytera (HYT) TC-518 / TC-518U / TC-518V			
BPBL2003LI-1	BL2003	7.4V / 2000 mAh / Li-Ion	$55.60
Hytera (HYT) TC-580			
BPBL2003LI-1	BL2003	7.4V / 2000 mAh / Li-Ion	$55.60
Hytera (HYT) TC-600 / TC-600U / TC-600V			
BPBL1203LI-1	BL1203	7.2V / 1250 mAh / Li-Ion / clip	$47.40
CL1203	N/A	Battery clip	$7.80
Hytera (HYT) TC-610 / TC-610P / TC-620			
BPBL1204LI	BL1204	7.4V / 1200 mAh / Li-Ion	$58.60
BPBL2001LI-1	BL2001	7.4V / 2000 mAh / Li-Ion	$65.20
Hytera (HYT) TC-700 / TC-700U / TC-700V			
BPBL1703-1	BL1703	7.4V / 1800 mAh / Li-Ion	$67.20
Hytera (HYT) TC-780 / TC-780U / TC-780V			
BPBL1703-1	BL1703	7.4V / 1800 mAh / Li-Ion	$67.20
Icom IC-A14 / IC-A14S			
BP232LI	BP232	7.4V / 2200 mAh / Li-Ion	$69.20
Icom IC-A24 / IC-A6			
BP209-1	BP209N	7.2V / 1000 mAh / NiCd / screw-on clip	$48.80
BP210N	BP210N	7.2V / 1650 mAh / NiMH / screw-on clip	$56.60
BP211LI	BP211N	7.4V / 2200 mAh / Li-Ion / screw-on clip	$63.20
CL227	N/A	Battery clip (screw-on)	$7.80
Icom IC-A3 / IC-A22			
BP166 / Special Order	CM-166	12.0V / 700 mAh / NiCd	$144.60
BP166MH / Special Order	CM-166S	12.0V / 2000 mAh / NiMH	$170.40
Icom IC-F11 / IC-F21			
BP209-1	BP209N	7.2V / 1000 mAh / NiCd / screw-on clip	$48.80
BP210N	BP210N	7.2V / 1650 mAh / NiMH / screw-on clip	$56.60
BP211LI	BP211N	7.4V / 2200 mAh / Li-Ion / screw-on clip	$63.20
CL227	N/A	Battery clip (screw-on)	$7.80

Part Number	OEM	Description	MSRP
Icom IC-F11S / IC-F21S			
BP209-1	BP209N	7.2V / 1000 mAh / NiCd / screw-on clip	$48.80
BP210N	BP210N	7.2V / 1650 mAh / NiMH / screw-on clip	$56.60
BP211LI	BP211N	7.4V / 2200 mAh / Li-Ion / screw-on clip	$63.20
CL227	N/A	Battery clip (screw-on)	$7.80
Icom IC-F14 / IC-F15 / IC-F24 / IC-F25 / IC-F33 / IC-F34 / IC-F43 / IC-F43TR / IC-F44			
BP232LI	BP232	7.4V / 2200 mAh / Li-Ion	$69.20
Icom IC-F21BR / IC-F21GM			
BP209-1	BP209N	7.2V / 1000 mAh / NiCd / screw-on clip	$48.80
BP210N	BP210N	7.2V / 1650 mAh / NiMH / screw-on clip	$56.60
BP211LI	BP211N	7.4V / 2200 mAh / Li-Ion / screw-on clip	$63.20
CL227	N/A	Battery clip (screw-on)	$7.80
Icom IC-F3 / IC-F4 / IC-F4TR / IC-T2A / IC-A4 / IC-T2H			
BP196-1	BP196	9.6V / 1000 mAh / NiCd / clip	$50.60
BP196MH	BP196	9.6V / 1500 mAh / NiMH / clip	$51.40
CL196	N/A	Battery clip	$7.80
Icom IC-F3GS / IC-F4GS			
BP209-1	BP209N	7.2V / 1000 mAh / NiCd / screw-on clip	$48.80
BP210N	BP210N	7.2V / 1650 mAh / NiMH / screw-on clip	$56.60
BP211LI	BP211N	7.4V / 2200 mAh / Li-Ion / screw-on clip	$63.20
CL227	N/A	Battery clip (screw-on)	$7.80
Icom IC-F3GT / IC-F4GT			
BP209-1	BP209N	7.2V / 1000 mAh / NiCd / screw-on clip	$48.80
BP210N	BP210N	7.2V / 1650 mAh / NiMH / screw-on clip	$56.60
BP211LI	BP211N	7.4V / 2200 mAh / Li-Ion / screw-on clip	$63.20
CL227	N/A	Battery clip (screw-on)	$7.80
Icom IC-F30GS / IC-F40GS			
BP209-1	BP209N	7.2V / 1000 mAh / NiCd / screw-on clip	$48.80
BP210N	BP210N	7.2V / 1650 mAh / NiMH / screw-on clip	$56.60
BP211LI	BP211N	7.4V / 2200 mAh / Li-Ion / screw-on clip	$63.20
CL227	N/A	Battery clip (screw-on)	$7.80
Icom IC-F30GT / IC-F40GT			
BP209-1	BP209N	7.2V / 1000 mAh / NiCd / screw-on clip	$48.80
BP210N	BP210N	7.2V / 1650 mAh / NiMH / screw-on clip	$56.60
BP211LI	BP211N	7.4V / 2200 mAh / Li-Ion / screw-on clip	$63.20
CL227	N/A	Battery clip (screw-on)	$7.80
Icom IC-F3001 / IC-F3002 / IC-F3003 / IC-F4001 / IC-F4002 / IC-F4003			
BP264MH-1	BP264	7.5V / 1500 mAh / NiMH / clip	$48.60
BP265LI	BP265	7.4V / 2200 mAh / Li-Ion / clip	$81.80
CL4071	N/A	Battery clip	$7.80
Icom IC-F3011 / IC-F4011			
BP232LI	BP232	7.4V / 2200 mAh / Li-Ion	$69.20
Icom IC-F3021 / IC-F3023 / IC-F4021 / IC-F4023			
BP232LI	BP232	7.4V / 2200 mAh / Li-Ion	$69.20
Icom IC-F3101D / IC-F3103D / IC-F4101D / IC-F4103D			
BP264MH-1	BP264	7.5V / 1500 mAh / NiMH / clip	$48.60
BP265LI	BP265	7.4V / 2200 mAh / Li-Ion / clip	$81.80
CL4071	N/A	Battery clip	$7.80
Icom IC-F3161 (DT/DS/T/S) / IC-F3163 (T/S) / IC-F4161 (DT/DS/T/S) / IC-F4163 (T/S)			

Part Number	OEM	Description	MSRP
BP232LI	BP232	7.4V / 2200 mAh / Li-Ion	$69.20
Icom IC-F50 / IC-F50V / IC-F60 / IC-F60V			
BP227LI	BP227	7.2V / 1800 mAh / Li-Ion / clip	$70.80
CL227	N/A	Battery clip (screw-on)	$7.80
Icom IC-F70 (DS/DT/S/T) / IC-F80 (DS/DT/S/T)			
BP254LI	BP254	7.4V / 3040 mAh / Li-Ion	$115.80
Icom IC-F9011 (T/S/B) / IC-F9021 (T/S/B)			
BP254LI	BP254	7.4V / 3040 mAh / Li-Ion	$115.80
Icom IC-T70A / IC-T70E			
BP264MH-1	BP264	7.5V / 1500 mAh / NiMH / clip	$48.60
BP265LI	BP265	7.4V / 2200 mAh / Li-Ion / clip	$81.80
CL4071	N/A	Battery clip	$7.80
Icom IC-V8			
BP209-1	BP209N	7.2V / 1000 mAh / NiCd / screw-on clip	$48.80
BP210N	BP210N	7.2V / 1650 mAh / NiMH / screw-on clip	$56.60
BP211LI	BP211N	7.4V / 2200 mAh / Li-Ion / screw-on clip	$63.20
CL227	N/A	Battery clip (screw-on)	$7.80
Icom IC-V80			
BP264MH-1	BP264	7.5V / 1500 mAh / NiMH / clip	$48.60
BP265LI	BP265	7.4V / 2200 mAh / Li-Ion / clip	$81.80
CL4071	N/A	Battery clip	$7.80
Icom IC-V82 / IC-U82			
BP209-1	BP209N	7.2V / 1000 mAh / NiCd / screw-on clip	$48.80
BP210N	BP210N	7.2V / 1650 mAh / NiMH / screw-on clip	$56.60
BP211LI	BP211N	7.4V / 2200 mAh / Li-Ion / screw-on clip	$63.20
CL227	N/A	Battery clip (screw-on)	$7.80
Kenwood NX200 / NX200S / NX300 / NX300S			
BPKNB47L	KNB47L	7.4V / 1900 mAh / Li-Ion	$89.80
BPKNB48L	KNB48L	7.4V / 2600 mAh / Li-Ion	$99.80
PMKNB48LIP	KNB48L	7.4V / 3300 mAh / LiPo / PolyMax HPC	$125.80
Kenwood NX210			
BP5631-1	KNB31A	7.2V / 1400 mAh / NiCd	$67.80
BP5632MH	KNB32N / KNB54N	7.2V / 2500 mAh / NiMH	$77.00
BP5633LI	KNB33L	7.4V / 1900 mAh / Li-Ion	$77.60
BPKNB43LIP	KNB43L	7.4V / 3600 mAh / LiPo	$132.40
PMKNB43LIP	KNB43L	7.4V / 4100 mAh / LiPo / PolyMax HPC	$139.80
Kenwood NX220 / NX320 / NX420			
BPKNB57LIXT	KNB57L	7.4V / 2300 mAh / 17.0 Wh / Li-Ion	$87.40
BP5635LI	KNB35L / KNB57L	7.4V / 1900 mAh / Li-Ion	$79.80
BPKNB55LIP	KNB55L	7.4V / 1800 mAh / 13.3 Wh / LiPo	$59.80
BPKNB55LIP-S	KNB55L	7.4V / 1600 mAh / 11.8 Wh / LiPo	$59.40
BPKNB55LI-1	KNB55L	7.4V / 1500 mAh / Li-Ion	$57.60
BP5626MH-1	KNB26N / KNB56N	7.2V / 2000 mAh / NiMH	$56.80
BPKNB25-1	KNB25A	7.2V / 1200 mAh / NiCd	$49.20
BPKNB25CSOR	N/A	Alkaline clamshell - orange	$36.60
Kenwood NX240V / NX340U			
BPKNB29MHXT-1	KNB29N	7.5V / 2100 mAh / NiMH	$43.80
BPKNB45LI	KNB45L	7.4V / 1900 mAh / Li-Ion	$65.40
Kenwood NX410 / NX411			

Part Number	OEM	Description	MSRP
BP5631-1	KNB31A	7.2V / 1200 mAh / NiCd	$67.80
BP5632MH	KNB32N / KNB54N	7.2V / 2500 mAh / NiMH	$77.00
BP5633LI	KNB33L	7.4V / 1900 mAh / Li-Ion	$77.60
BPKNB43LIP	KNB43L	7.4V / 3600 mAh / LiPo	$132.40
PMKNB43LIP	KNB43L	7.4V / 4100 mAh / LiPo / PolyMax HPC	$139.80
Kenwood TK190 / TK280 / TK290 / TK380 / TK390			
BP5617-1	KNB17A	7.2V / 1200 mAh / NiCd	$50.80
BPKNB17-1	KNB17A	7.2V / 1500 mAh / NiCd	$53.80
BP5617MH	KNB22N	7.2 V / 2000 mAh / NiMH	$58.80
Kenwood TK210 / TK230 / TK230SP / TK310 / TK330 / TK330SP			
BP5623	KNB3	7.2V / 1200 mAh / NiCd	$56.60
Kenwood TK2100 / TK3100 / TK3101			
BP5615-1	KNB15A	7.2V / 1200 mAh / NiCd	$45.00
BPKNB15-1	KNB15A	7.2V / 1500 mAh / NiCd	$47.80
BP5615MH	KNB20N	7.2V / 2000 mAh / NiMH	$57.40
Kenwood TK2140 / TK2160 / TK2170 / TK3140 / TK3160 / TK3170 / TK3173			
BPKNB57LIXT	KNB57L	7.4V / 2300 mAh / 17.0 Wh / Li-Ion	$87.40
BP5635LI	KNB35L / KNB57L	7.4V / 1900 mAh / Li-Ion	$79.80
BPKNB55LIP	KNB55L	7.4V / 1800 mAh / 13.3 Wh / LiPo	$59.80
BPKNB55LIP-S	KNB55L	7.4V / 1600 mAh / 11.8 Wh / LiPo	$59.40
BPKNB55LI-1	KNB55L	7.4V / 1500 mAh / Li-Ion	$57.60
BP5626MH-1	KNB26N / KNB56N	7.2V / 2000 mAh / NiMH	$56.80
BPKNB25-1	KNB25A	7.2V / 1200 mAh / NiCd	$49.20
BPKNB25CSOR	N/A	Alkaline clamshell - orange	$36.60
Kenwood TK2180 / TK3180			
BP5631-1	KNB31A	7.2V / 1400 mAh / NiCd	$67.80
BP5632MH	KNB32N / KNB54N	7.2V / 2500 mAh / NiMH	$77.00
BP5633LI	KNB33L	7.4V / 1900 mAh / Li-Ion	$77.60
BPKNB43LIP	KNB43L	7.4V / 3600 mAh / LiPo	$132.40
PMKNB43LIP	KNB43L	7.4V / 4100 mAh / LiPo / PolyMax HPC	$139.80
Kenwood TK220 / TK240 / TK240D / TK320 / TK340 / TK340D			
BP5625XT	KNB5A	7.5V / 1100 mAh / NiCd	$49.60
Kenwood TK2200 / TK2200L / TK3200 / TK3200L			
BPKNB29MHXT-1	KNB29N	7.5V / 2100 mAh / NiMH	$43.80
BPKNB45LI	KNB45L	7.4V / 1900 mAh / Li-Ion	$65.40
Kenwood TK2200LP / TK3200LP			
BPKNB29MHXT-1	KNB29N	7.5V / 2100 mAh / NiMH	$43.80
BPKNB45LI	KNB45L	7.4V / 1900 mAh / Li-Ion	$65.40
Kenwood TK2212L / TK3212L			
BPKNB29MHXT-1	KNB29N	7.5V / 2100 mAh / NiMH	$43.80
BPKNB45LI	KNB45L	7.4V / 1900 mAh / Li-Ion	$65.40
Kenwood TK2300 / TK3300			
BPKNB29MHXT-1	KNB29N	7.5V / 2100 mAh / NiMH	$43.80
BPKNB45LI	KNB45L	7.4V / 1900 mAh / Li-Ion	$65.40
Kenwood TK2312 / TK3312			
BPKNB29MHXT-1	KNB29N	7.5V / 2100 mAh / NiMH	$43.80
BPKNB45LI	KNB45L	7.4V / 1900 mAh / Li-Ion	$65.40
Kenwood TK2300VP / TK3300UP (ProTalk)			
BPKNB29MHXT-1	KNB29N	7.5V / 2100 mAh / NiMH	$43.80

Part Number	OEM	Description	MSRP
BPKNB45LI	KNB45L	7.4V / 1900 mAh / Li-Ion	$65.40
Kenwood TK2302VK / TK3302UK			
BPKNB29MHXT-1	KNB29N	7.5V / 2100 mAh / NiMH	$43.80
BPKNB45LI	KNB45L	7.4V / 1900 mAh / Li-Ion	$65.40
Kenwood TK2360 / TK3360			
BPKNB57LIXT	KNB57L	7.4V / 2300 mAh / 17.0 Wh / Li-Ion	$87.40
BP5635LI	KNB35L / KNB57L	7.4V / 1900 mAh / Li-Ion	$79.80
BPKNB55LIP	KNB55L	7.4V / 1800 mAh / 13.3 Wh / LiPo	$59.80
BPKNB55LIP-S	KNB55L	7.4V / 1600 mAh / 11.8 Wh / LiPo	$59.40
BPKNB55LI-1	KNB55L	7.4V / 1500 mAh / Li-Ion	$57.60
BP5626MH-1	KNB26N / KNB56N	7.2V / 2000 mAh / NiMH	$56.80
BPKNB25-1	KNB25A	7.2V / 1200 mAh / NiCd	$49.20
BPKNB25CSOR	N/A	Alkaline clamshell - orange	$36.60
Kenwood TK2400VP / TK3400UP			
BPKNB29MHXT-1	KNB29N	7.5V / 2100 mAh / NiMH	$43.80
BPKNB45LI	KNB45L	7.4V / 1900 mAh / Li-Ion	$65.40
Kenwood TK2402VK / TK3402UK			
BPKNB29MHXT-1	KNB29N	7.5V / 2100 mAh / NiMH	$43.80
BPKNB45LI	KNB45L	7.4V / 1900 mAh / Li-Ion	$65.40
Kenwood TK250 / TK350 / TK353 / TK259 / TK359 (black)			
BP5611	KNB11A	7.2V / 900 mAh / NiCd (short case)	$43.20
BP5612-1	KNB12A	7.2V / 1200mAh / NiCd (long case)	$46.60
BP5612MH	KNB12A	7.2V / 1800 mAh / NiMH (long case)	$54.80
Kenwood TK260 / TK260G / TK270 / TK360 / TK360G / TK370 / TK370G			
BP5615-1	KNB15A	7.2V / 1200 mAh / NiCd	$45.00
BPKNB15-1	KNB15A	7.2V / 1500 mAh / NiCd	$47.80
BP5615MH	KNB20N	7.2V / 2000 mAh / NiMH	$57.40
Kenwood TK272G / TK372G / TK373G			
BP5615-1	KNB15A	7.2V / 1200 mAh / NiCd	$45.00
BPKNB15-1	KNB15A	7.2V / 1500 mAh / NiCd	$47.80
BP5615MH	KNB20N	7.2V / 2000 mAh / NiMH	$57.40
Kenwood TK3130 / TK3131			
BPKNB27MH	KNB27	3.6V / 1400 mAh / NiMH	$34.00
Kenwood TK3230XLS / ProTalk XLS			
BPKNB46LI	KNB46L	3.7V / 2000 mAh / Li-Ion	$53.60
Kenwood TK430 / TK431			
BP5629-1	KNB9	7.5V / 1200 mAh / NiCd	$49.80
BP5629MH	KNB9	7.5 V / 1500 mAh / NiMH	$55.40
Kenwood TK480 / TK481			
BP5617-1	KNB17A	7.2V / 1200 mAh / NiCd	$50.80
BPKNB17-1	KNB17A	7.2V / 1500 mAh / NiCd	$53.80
BP5617MH	KNB22N	7.2 V / 2000 mAh / NiMH	$58.80
Kenwood TK5210 / TK5210G / TK5310 / TK5310G			
BP5631-1	KNB31A	7.2V / 1400 mAh / NiCd	$67.80
BP5632MH	KNB32N / KNB54N	7.2V / 2500 mAh / NiMH	$77.00
BP5633LI	KNB33L	7.4V / 1900 mAh / Li-Ion	$77.60
BPKNB43LIP	KNB43L	7.4V / 3600 mAh / LiPo	$132.40
PMKNB43LIP	KNB43L	7.4V / 4100 mAh / LiPo / PolyMax HPC	$139.80

Part Number	OEM	Description	MSRP
Kenwood TK5220 / TK5320			
BPKNB47L	KNB47L	7.4V / 1900 mAh / Li-Ion	$89.80
BPKNB48L	KNB48L	7.4V / 2600 mAh / Li-Ion	$99.80
PMKNB48LIP	KNB48L	7.4V / 3300 mAh / LiPo / PolyMax HPC	$125.80
Kenwood TK5400			
BP5617-1	KNB17A	7.2V / 1200 mAh / NiCd	$50.80
BPKNB17-1	KNB17A	7.2V / 1500 mAh / NiCd	$53.80
BP5617MH	KNB22N	7.2 V / 2000 mAh / NiMH	$58.80
Kenwood TK5410			
BP5631-1	KNB31A	7.2V / 1400 mAh / NiCd	$67.80
BP5632MH	KNB32N / KNB54N	7.2V / 2500 mAh / NiMH	$77.00
BP5633LI	KNB33L	7.4V / 1900 mAh / Li-Ion	$77.60
BPKNB43LIP	KNB43L	7.4V / 3600 mAh / LiPo	$132.40
PMKNB43LIP	KNB43L	7.4V / 4100 mAh / LiPo / PolyMax HPC	$139.80
FOR ADDITIONAL HARRIS (M/A-COM) BATTERIES SEE HARRIS LISTING			
M/A-COM / GE / Ericsson: Cougar / 400P / 600P / 605P / 625P			
BPTOPB500	TOPB100H	7.2V / 2150 mAh / NiMH / clip	$65.40
CLTOPB500	N/A	Battery clip	$7.80
M/A-COM / GE / Ericsson: EDACS 300P			
BP212/2XT-1	BKB191212/2	7.5V / 1200 mAh / NiCd / clip	$56.80
BP212/2MH	BKB191212/2	7.5V / 2000 mAh / NiMH / clip	$61.80
CL4063	N/A	Battery clip	$7.80
M/A-COM / GE / Ericsson: Jaguar 700P / 700Pi / 710P / SPD2000			
BP1912-1	BKB191210/33	7.5V / 1500 mAh / NiCd	$70.40
BP1912CSBK	N/A	Alkaline clamshell - black	$36.60
BP1912LIP	N/A	7.4V / 3600 mAh / 26.6 Wh / LiPo	$122.20
BP1912MH	BKB191210/34	7.5V / 2700 mAh / NiMH	$84.40
LEHAPA7YMHIS	HAPA7Y	7.5 V / 2450 mAh / NiMH / IS	$123.00
PM1912LIP	N/A	7.4V / 4100 mAh / LiPo / PolyMax HPC	$139.80
M/A-COM / GE / Ericsson: Monogram Series			
BP1155	344A506P1	10.8V / 600 mAh / NiCd (short)	$53.60
BP1170	344A506P3	10.8V / 1200 mAh / NiCd (long)	$59.00
M/A-COM / GE / Ericsson: MPA / MPD / PLS / TPX			
BP8607	BKB191205/3	7.5V / 1800 mAh / NiCd (long)	$64.00
BP8507-17	BKB191205/1	7.5V / 1200 mAh / NiCd (short)	$64.00
M/A-COM / GE / Ericsson: M-RK I / M-RK II / Comnet			
BP2781	344A3278P1	7.5V / 1800 mAh / NiCd (long)	$61.80
BP8381-1	19A149838P1	7.5V / 1000 mAh / NiCd (short)	$51.60
BP8381MH	19A149838P1	7.5V / 1500 mAh / NiMH (short)	$55.20
BP8381MHXT	19A149838P1	7.5V / 3000 mAh / NiMH (long)	$79.80
M/A-COM / Harris: P5100 / P5130 / P5150			
BP1912-1	BKB191210/33	7.5V / 1500 mAh / NiCd	$70.40
BP1912CSBK	N/A	Alkaline clamshell - black	$36.60
BP1912LIP	N/A	7.4V / 3600 mAh / 26.6 Wh / LiPo	$122.20
BP1912MH	BKB191210/34	7.5V / 2700 mAh / NiMH	$84.40
LEHAPA7YMHIS	HAPA7Y	7.5 V / 2450 mAh / NiMH / IS	$123.00
PM1912LIP	N/A	7.4V / 4100 mAh / LiPo / PolyMax HPC	$139.80
M/A-COM / Harris: P5200			
BP1912-1	BKB191210/33	7.5V / 1500 mAh / NiCd	$70.40
BP1912CSBK	N/A	Alkaline clamshell - black	$36.60
BP1912LIP	N/A	7.4V / 3600 mAh / 26.6 Wh / LiPo	$122.20

Part Number	OEM	Description	MSRP
BP1912MH	BKB191210/34	7.5V / 2700 mAh / NiMH	$84.40
LEHAPA7YMHIS	HAPA7Y	7.5 V / 2450 mAh / NiMH / IS	$123.00
PM1912LIP	N/A	7.4V / 4100 mAh / LiPo / PolyMax HPC	$139.80
M/A-COM / Harris: P7100 / P7130 / P7150 / P7170			
BP1912-1	BKB191210/33	7.5V / 1500 mAh / NiCd	$70.40
BP1912CSBK	N/A	Alkaline clamshell - black	$36.60
BP1912LIP	N/A	7.4V / 3600 mAh / 26.6 Wh / LiPo	$122.20
BP1912MH	BKB191210/34	7.5V / 2700 mAh / NiMH	$84.40
LEHAPA7YMHIS	HAPA7Y	7.5 V / 2450 mAh / NiMH / IS	$123.00
PM1912LIP	N/A	7.4V / 4100 mAh / LiPo / PolyMax HPC	$139.80
M/A-COM / Harris: P7200 / P7230 / P7250 / P7270			
BP1912-1	BKB191210/33	7.5V / 1500 mAh / NiCd	$70.40
BP1912CSBK	N/A	Alkaline clamshell - black	$36.60
BP1912LIP	N/A	7.4V / 3600 mAh / 26.6 Wh / LiPo	$122.20
BP1912MH	BKB191210/34	7.5V / 2700 mAh / NiMH	$84.40
LEHAPA7YMHIS	HAPA7Y	7.5 V / 2450 mAh / NiMH / IS	$123.00
PM1912LIP	N/A	7.4V / 4100 mAh / LiPo / PolyMax HPC	$139.80
M/A-COM / GE / Ericsson: Panther 400P / 600P / 625P			
BPTOPB500	N/A	7.2 V / 2150 mAh / NiMH / clip	$65.40
CLTOPB500	N/A	Battery clip	$7.80
M/A-COM / GE / Ericsson: Panther 405P / 605P			
BPTOPB500	N/A	7.2 V / 2150 mAh / NiMH / clip	$65.40
CLTOPB500	N/A	Battery clip	$7.80
M/A-COM / GE / Ericsson: Panther 500P / KPC300 / KPC400 / LPE200			
BP1202	BKB191202	7.5V / 1500 mAh / NiCd (long)	$63.40
BP1202MH	BKB191202	7.5V / 2700 mAh / NiMH (long)	$80.40
BP1203-1	BKB191203	7.5V / 1200 mAh / NiCd (short)	$53.60
BP1203MH	BKB191203/1	7.5V / 2000 mAh / NiMH (short)	$59.80
M/A-COM / GE / Ericsson: PCS			
BP2931XXT	19A705293P1	7.5V / 1200 mAh / NiCd (short)	$63.00
BP2932	19A705293P2	7.5V / 1800 mAh / NiCd (long)	$62.00
Maxon Comm-panion CP0510 / CP0510HD / CP0515 / CP0520 / SP-5050D / TAD1510 / TAD1510S / TAD1520			
BP4W	MA181	11.3V / 600 mAh / NiCd	$30.80
Maxon SL100			
BPQPA1350	QPA-1350	7.2V / 1500 mAh / NiMH	$51.60
Maxon SL25 / SL55 / SP120			
BPQPA1200	QPA-1200	7.5V / 1200 mAh / NiCd / clip	$48.00
Maxon SL400 / SL600			
BP1155	SA1155/1255	10.8V / 600 mAh / NiCd (short)	$53.60
BP1170	SA1170/1270	10.8V / 1200 mAh / NiCd (long)	$59.00
Maxon SP130 / SP130U / SP132U2 / SP140 / SP140U / SP140U2 / SP150			
BPMPA1200-1	MPA1200	7.5V / 1200 mAh / NiCd / clip	$48.00
Maxon SP310 / SP320 / SP330 / SP340			
BPACC200-1	ACC-200	7.2V / 1000 mAh / NiCd / clip	$49.20
BPACC200MH	ACC-200HC	7.2V / 1600 mAh / NiMH / clip	$54.60
CL9628	N/A	Battery clip	$7.80
Maxon SP2000 / SP2250 / SP2500 / SP2550 / SP2850			
BP1155	SA1155/1255	10.8V / 600 mAh / NiCd (short)	$53.60

Part Number	OEM	Description	MSRP
BP1170	SA1170/1270	10.8V / 1200 mAh / NiCd (long)	$59.00
Maxon SP200V2			
BPQPA1350	QPA-1350	7.2V / 1450 mAh / NiMH (button for clip)	$51.60
Maxon / Legacy: PL2215 / PL2245			
BP5615-1	KNB15A	7.2V / 1200 mAh / NiCd	$45.00
BPKNB15-1	KNB15A	7.2V / 1500 mAh / NiCd	$47.80
BP5615MH	KNB20N	7.2V / 2000 mAh / NiMH	$57.40
BPACC202MH	ACC-202	7.2V / 2000 mAh / NiMH	$58.40
Note: Radios require TWC1-KW1A charger when used with BP5615 / BPKNB15-1 / BP5615MH.			
Maxon / Legacy: PL2415 / PL2445			
BP5615-1	KNB15A	7.2V / 1200 mAh / NiCd	$45.00
BPKNB15-1	KNB15A	7.2V / 1500 mAh / NiCd	$47.80
BP5615MH	KNB20N	7.2V / 2000 mAh / NiMH	$57.40
BPACC202MH	ACC-202	7.2V / 2000 mAh / NiMH	$58.40
Note: Radios require TWC1-KW1A charger when used with BP5615 / BPKNB15-1 / BP5615MH.			
Midland 70-440BP			
BP18-B02MH	18-B02	7.2V / 1500 mAh / NiMH	$53.60
Midland PL5000 Series / PL5161 / PL5164			
BP5615-1	KNB15A	7.2V / 1200 mAh / NiCd	$45.00
BPKNB15-1	KNB15A	7.2V / 1500 mAh / NiCd	$47.80
BP5615MH	KNB20N	7.2V / 2000 mAh / NiMH	$57.40
BPACC202MH	ACC-202	7.2V / 2000 mAh / NiMH	$58.40
Note: Radios require TWC1-KW1A charger when used with BP5615 / BPKNB15-1 / BP5615MH.			
Midland SP220 / SP230 / SP240 / SP250			
BPQPA1350	ACC-206	7.2V / 1500 mAh / NiMH (button for clip)	$51.60
Midland SP410 / SP420 / SP430 / SP440			
BP18-B02MH	18-B02	7.2V / 1500 mAh / NiMH / clip	$53.60
Midland STP-105B / STP-404A (APCO P25)			
BPACC1800LIS	ACC-1800	7.4V / 1800 mAh / Li-Ion / smart	$141.20
Regency / Relm: HH400 / HH2500 / Mini-Comm 1 / Mini-Comm 2			
BP4W	BP34	11.3V / 600 mAh / NiCd	$30.80
Relm / BK (Bendix-King Radios): DPH / EPH / GPH / LPA / LPH / LPX			
BP109BK	LAA0193	10.0V / 1400 mAh / NiCd (black)	$55.80
BP109CSBLA	LAA0191	Alkaline clamshell - black	$38.40
BP109CSORA	LAA0139	Alkaline clamshell - orange	$38.40
BP170LI	LAA0170	10.8V / 2200 mAh / Li-Ion (black)	$79.40
BP171LI-SC	LAA0171	10.8V / 2000 mAh / Li-Ion (short / black)	$123.80
BP170LIXT	LAA0172	10.8V / 3800 mAh / Li-Ion (black)	$162.80
Relm (KNG Series): KNG-P150 / KNG-P400 / KNG-P500 / KNG-P800			
BP0100LI	KAA0100	10.8V / 1950 mAh / Li-Ion / clip / smart	$136.80
BP0101LIXT	KAA0101	10.8V / 3600 mAh / Li-Ion / clip / smart	$165.80
CL0100	KAA0400	Battery clip	$7.80
Relm (MP Series): MPV / MPV08 / MPV32 / MPU08 / MPU32			
BPMP1	BPMP1	10.8V / 1200 mAh / NiCd	$109.60
Relm RPU3000, RPU3600, RPU3600A, RPV3000, RPV3600, RPV3600A			
BPRP1700LI	BPRP1700	7.4V / 1700 mAh / Li-Ion / clip	$75.60
CL1700	N/A	Battery clip	$7.80

Part Number	OEM	Description	MSRP
Relm RPU416 / RPU499 / RPV516 / RPV599			
BPRP1500MH	BPRP1500	7.2V / 1500 mAh / NiMH / clip	$53.60
CL7144	N/A	Battery clip	$7.80
Relm RPU7500 / RPV7500			
BPBL1703-1	BL1703	7.4V / 1800 mAh / Li-Ion	$67.20
Relm WHS150 / WHS450			
BP007 / Special Order	BP007	10.8V / 1200 mAh / NiCd (2 contacts)	$105.60
BP007R / Special Order	BP007	10.8V / 1200 mAh / NiCd (4 contacts)	$108.60
Ritron Patriot RTX150 / RTX450			
BPX8NMH	BTX-8NMH	9.6V / 1650 mAh / NiMH	$58.60
BPX8NXT	BTX-8N	9.6V / 1000 mAh / NiCd	$49.40
Standard C158 / C228 / C528 / C558 / C628 / HX190 / HX240			
BP152XT / Special Order	CNB152A	12.0V / 1200 mAh / NiCd	$123.00
Standard HX580 / HX581T / HX582T			
BP584	CNB584A	9.6V / 1100 mAh / NiCd	$55.60
Tait Orca 5000 Series			
BPTOPB500	TOPB100H	7.2V / 2150 mAh / NiMH / clip	$65.40
CLTOPB500	N/A	Battery clip	$7.80
Tait TP8100 / TP8110 / TP8115 / TP8120 / TP8135 / TP8140			
BPBA100LI	TPK-BA-100	7.2V / 1950 mAh / Li-Ion / clip	$84.60
CLBA100	N/A	Battery clip	$7.80
Tait TP9100 / TP9135 / TP9140 / TP9155 / TP9160			
BPBA203MH	TPA-BA-203	7.2V / 2400 mAh / NiMH / clip / smart	$103.20
BPBA206LI	TPA-BA-206	7.4V / 2500 mAh / Li-Ion / clip / smart	$111.40
CLBA100	N/A	Battery clip	$7.80
Uniden APH / APL / APU			
BP4W	APX500	11.3V / 600 mAh / NiCd	$30.80
Uniden BC100XLT / BC200XLT / BC205XLT			
BP100XLT	BP100, BP200, BP205	7.2V / 1200 mAh / NiCd	$113.60
Note: BP100XLT is a special order item.			
Uniden SPH416 / SPH516			
BP1070-1	APX1070	7.2V / 1200 mAh / NiCd	$47.80
Uniden SPS301 / SPS310 / SPH320 / SP1100 / SPS310 / SPS320			
BP1100-1	APX1100	7.2V / 1200 mAh / NiCd	$47.80
Uniden SPS801 / SPS802 / SPS155 / SPS454R			
BP1105	APX1105	7.2V / 1200 mAh / NiCd	$49.40
Uniden SPU51 / SPH51			
BP1120	APX1120	7.5V / 1200 mAh / NiCd	$48.40
Vertex Standard EVX530 / EVX531 / EVX534 / EVX539			
BPV134LI	FNB-V134LI-UNI	7.4V / 2500 mAh / Li-Ion / clip	$79.80
CLV113	N/A	Battery clip	$7.80
Vertex Standard FT10R / FT40R / FT50 / VX10			
BP36247-1	FNB-47	7.2V / 1200 mAh / NiCd / clip	$53.80
BP36247MH	FNB-49	7.2V / 2000 mAh / NiMH / clip	$65.20
CL36247	N/A	Battery clip	$7.80

Part Number	OEM	Description	MSRP
Vertex Standard FT2003 / FT4703 / FTC703A / FTC708A / FTC2203 / FTC2205 / FTC5203			
BP4W	FNB-2	11.3V / 600 mAh / NiCd	$30.80
Vertex Standard FT23R / FT33R / FT73R / FT411 / FT470 / FT811 / FTH2005 / FTH7005			
BP36212	FNB-12	12.0V / 700 mAh / NiCd	$52.60
Vertex Standard VX130 / VX150 / VX160 / VX180 / VX210 / VX400 / VX410 / VX420			
BP36257-1	FNB-V57	7.2V / 1000 mAh / NiCd	$47.40
BP36257MHXT	FNB-V83	7.2V / 1600 mAh / NiMH	$46.80
BP36267LI	FNB-V67LI	7.2V / 2200 mAh / Li-Ion	$57.80
BPV94MH-1	FNB-V94	7.2V / 1800 mAh / NiMH	$41.80
Vertex Standard VX230 / VX231			
BPV104LI	FNB-V104LI	7.4V / 2200 mAh / Li-Ion	$68.40
BPV132LI	FNB-V132LI-UNI	7.4V / 2500 mAh / Li-Ion	$69.80
Vertex Standard VX350 / VX351 / VX354			
BP36295LI	FNB-V95LI / FNBV96LI	7.4V / 2200 mAh / Li-Ion	$55.80
BPV130LI	FNB-V130LI-UNI	7.4V / 2500 mAh / Li-Ion	$59.80
Vertex Standard VX450 / VX451 / VX454 / VX459			
BPV113LI	FNB-V113LI	7.4V / 2500 mAh / Li-Ion / clip (thick housing)	$79.80
BPV134LI	FNB-V134LI-UNI	7.4V / 2500 mAh / Li-Ion / clip	$79.80
CLV113	N/A	Battery clip	$7.80
Vertex Standard VX500 / VX510 / VX520 / VX520UD / VX530 / VX537			
BP36229MH	FNB-29A	7.2V / 2000 mAh / NiMH	$56.20
Vertex Standard VX600 / VX600V / VX600U / VX900 / VX900V / VX900U			
BP36268LI	FNB-V68LI	7.4V / 2200 mAh / Li-Ion	$75.80
Vertex Standard VX800			
BP36262LI	FNB-V62LI	7.2V / 2200 mAh / Li-Ion	$59.80
Vertex Standard VX820 / VX821 / VX824 / VX829			
BP36287LI	FNB-V87LI	7.4V / 2200 mAh / Li-Ion	$66.00
BP36292LI	FNB-V92LI	7.4V / 3000 mAh / Li-Ion	$97.00
Vertex Standard VX870 / VX871 / VX874 / VX879			
BP36287LI	FNB-V87LI	7.4V / 2200 mAh / Li-Ion	$66.00
BP36292LI	FNB-V92LI	7.4V / 3000 mAh / Li-Ion	$97.00
Vertex Standard VX920 / VX921 / VX924 / VX929			
BP36287LI	FNB-V87LI	7.4V / 2200 mAh / Li-Ion	$66.00
BP36292LI	FNB-V92LI	7.4V / 3000 mAh / Li-Ion	$97.00
Vertex Standard VX970 / VX971 / VX974 / VX979			
BP36287LI	FNB-V87LI	7.4V / 2200 mAh / Li-Ion	$66.00
BP36292LI	FNB-V92LI	7.4V / 3000 mAh / Li-Ion	$97.00
Vertex Standard VDX720			
BP4065MH	PMNN4065A	7.2V / 1600 mAh / NiMH / clip	$68.60
BP4066LIIC	FNB-V117LI	7.2V / 2500 mAh / Li-Ion / clip / smart (slim)	$95.80
CL7144	N/A	Battery clip	$7.80
Wilson / HH Series			
BP4W	BP4 / BP4C	11.3V / 600 mAh / NiCd	$30.80

PAGER BATTERIES

Motorola BPR2000 / Dimension 2000 / Keynote			

Part Number	OEM	Description	MSRP
BP7057	NLN7057	1.25V / 600 mAh / NiCd	$5.40
Motorola Dimension IV / Dimension 1000 / Director / Metro-Pageboy III / Minitor / Pagecom / PMR2000 / Spirit			
BP6965	NLN6965A	1.2V / 150 mAh / NiCd	$9.80
Motorola Director II / Minitor II			
BP4974	NLN4974	2.6V / 170 mAh / NiCd	$7.20
Motorola Minitor III / IV			
BP250AAA	NYN8345	1.2V / 250 mAh / NiCd	$3.00
Motorola Minitor V			
BP5707MH	RLN5707	3.6V / 600mAh / NiMH	$23.20
FRS RADIO BATTERIES			
Motorola Spirit GT Plus			
BP9720MH	HNN9720B	3.6V / 700 mAh / NiMH	$37.00
Motorola Talkabout T4900 / T5320 / T5400 / T5410 / T5420 / T5600 / T5620 / T5700 / T5710 / T5720 / T5800 / T5820 / T5950			
BP4002	HKNN4002	3.6V / 700 mAh / NiCd	$14.20
BP4002MH-1	HKNN4002A	3.6V / 1500 mAh / NiMH	$24.20
RECHARGEABLE FLASHLIGHT BATTERIES			
Maglite ML-5000			
BP522	ARXX075	6.0V / 2200 mAh / NiCd	$30.80
BP522MH	ARXX075	6.0V / 3500 mAh / NiMH	$39.80
Streamlight SL-15X / SL-20XP			
BP25170	25170	6.0V / 1800 mAh / NiCd	$30.80
Streamlight SL-20 / SL-20S / SL-20X			
BP522	20170	6.0V / 2200 mAh / NiCd	$29.80
BP522MH	ARXX075	6.0V / 3500 mAh / NiMH	$39.80
Streamlight Stinger / PolyStinger			
BP75175	75175	3.6V / 1800 mAh / NiCd	$24.80
AA / AAA ALKALINE BATTERIES			
Rayovac			
AL-RAYAA	N/A	Rayovac AA alkaline battery	$0.60
AL-RAYAAA	N/A	Rayovac AAA alkaline battery	$0.60
AL-RAY9V	N/A	Rayovac 9V alkaline battery	$3.60

Retail

Price List

Effective March 1, 2014

PYRAMID
COMMUNICATIONS
Since 1990

Communicate with Confidence

Syntesized Vehicular Repeaters
200 Series

SVR-200 Repeater

Part#	Description	List Price
SVR-200VBN	Vehicular Repeater 150-174 MHz 15 KHz	$ 1,475.00
SVR-200UAN*	Vehicular Repeater 406-420 MHz 12.5 KHz	$ 1,475.00
SVR-200UDN	Vehicular Repeater 450-470 MHz 12.5 KHz	$ 1,475.00
SVR-200UEN*	Vehicular Repeater 470-490 MHz 12.5 KHz	$ 1,475.00
SVR-200MAN	Vehicular Repeater 850-870 MHz 12.5 KHz	$ 1,765.00
SVR-200MCN	Vehicular Repeater 764-776 MHz 12.5 KHz	$ 1,765.00
SVR-200MFN*	Vehicular Repeater 938-941 MHz 12.5 KHz	$ 1,765.00

*Special Order Only

SVR-200 Factory Cables

Part#	Description	List Price
7500-10-1001	10' blunt cut cable with DB9F (included with SVR-200)	$ 17.00
7553-10-1045	EF Johnson 5300 Interface Cable (Dark Gray)	$ 100.00
7501-10-1044	Kenwood TK-6110 Interface Cable	$ 100.00
7505-10-1044	Kenwood TK-X160 Interface Cable	$ 100.00
7500-10-1044	Kenwood TK-X30 (TK-630 / 730 / 830) Series Interface Cable	$ 100.00
7503-10-1044	Kenwood TK-X40 Series Interface Cable	$ 100.00
7502-10-1044	Kenwood TK-X60G Series Interface Cable	$ 100.00
7504-10-1044	Kenwood TK-X80 Series Interface Cable	$ 100.00
7500-10-1045	Kenwood TK-X90 Series Interface Cable (Black)	$ 100.00
7502-10-1045	Kenwood TK-5x10, TK-5x20, TK-x180, NX-x00 Series Interface Cable	$ 100.00
7500-10-1047	Harris M7300 Interface Cable	$ 100.00
7510-06-1014	Harris Orion Dual Band / M7100 Interface Cable 6' (DB9F to DB37)	$ 100.00
7500-06-1014	Harris Orion Single Band Interface Cable 6' (DB9F to DB37)	$ 100.00
7501-10-1093	Motorola CDM/Radius Series Interface Cable	$ 100.00
7500-10-1092	Motorola XPR Series Interface Cable	$ 100.00
7505-10-1013	Motorola MCS-2000 DB25 (Smart Cable)	$ 150.00
7515-10-1045	Motorola Astro Spectra High Power DB25 (Smart Cable)	$ 150.00
7505-10-1012	Motorola Astro Spectra Low Power DB15 (Smart Cable)	$ 150.00
7506-10-1094	Motorola APX Series Mid/Low Power DB26 (Smart Cable)	$ 150.00
7506-10-1045	Motorola APX Series High Power Dual Gender Power DB25 (Smart Cable)	$ 150.00
7505-10-1094	Motorola XTL-5000/2500 Mid/Low Power DB26 (Smart Cable)	$ 150.00
7505-10-1045	Motorola XTL-5000/2500 / PM1500 High Pwr Dual Gender DB25 (Smart Cable)	$ 150.00
7500-10-1010	Tait TM Series Interface Cable	$ 100.00

SVR-200 Narrowband Options

Part#	Description	List Price
NBK-200	Narrowband Conversion Kit	$ 125.00
NBK-200F	Factory Narrowband Conversion (includes free UPS Ground return shipping)	$ 250.00

Please note a 3% convenience fee will be applied to Credit Card purchases over $500.00

Synthesized Vehicular Repeaters
250/252/P250 Series

SVR-250 Repeater

Part#	Description	List Price
SVR-250VB	Vehicular Repeater 150-174 MHz 15 KHz	$ 1,875.00
SVR-250UA*	Vehicular Repeater 406-420 MHz 12.5 KHz	$ 1,875.00
SVR-250UD	Vehicular Repeater 450-470 MHz 12.5 KHz	$ 1,875.00
SVR-250UE*	Vehicular Repeater 470-490 MHz 12.5 KHz	$ 1,875.00
SVR-250MA	Vehicular Repeater 850-870 MHz 12.5 KHz	$ 1,875.00
SVR-250MC	Vehicular Repeater 764-776 MHz 12.5 KHz	$ 1,875.00
SVR-250MF*	Vehicular Repeater 938-941 MHz 12.5 KHz	$ 1,875.00
ARS-250U	Auxiliary Receiver (SVR-250 series only)	$ 500.00
ARS-250V	Auxiliary Receiver (SVR-250 series only)	$ 500.00

*Special Order Only

SVR-P250 P25 Repeater

Part#	Description	List Price
SVR-P250V	P25 Vehicular Repeater 136-174 MHz 15 KHz	$ 4,750.00
SVR-P250U	P25 Vehicular Repeater 450-530 MHz 12.5 KHz	$ 4,750.00
SVR-P250M	P25 Vehicular Repeater 764-870 MHz 12.5 KHz	$ 4,750.00
9300-11-0057	DES Encryption for SVR-P250	$ 460.00
9300-11-0058	AES & DES Encryption for SVR-P250	$ 725.00
KLA-250	Key Loader Adaptor for SVR-P250	$ 350.00

SVR Filters & Duplexers

Part#	Description	List Price
MD-1606*	Mobile Duplexer, 150-174MHz, 6 Cavity (Factory Tuned)	$ 425.00
MD-4606*	Mobile Duplexer, 450-470MHz, 6 Cavity (Factory Tuned)	$ 425.00
MD-8606*	Mobile Duplexer, 806-870MHz, 6 Cavity (Factory Tuned)	$ 425.00
PS-252	Housing and Power Supply for SVR-252 Full Duplex Repeater	$ 400.00
BPF-1604*	Pre-selector, 150-174 MHz (Factory Tuned)	$ 350.00
BPF-7704*	Pre-selector, 770 MHz, (Factory Tuned)	$ 350.00
BPF-8604*	Pre-selector, 860 MHz, (Factory Tuned)	$ 350.00
BRF-1601*	Notch Filter, 150-174 MHz, / Requires 5 MHz separation (Factory Tuned)	$ 210.00
BRF-1602*	Dual Notch Filter, 150-174 MHz, / Requires 2 MHz separation (Factory Tuned)	$ 350.00
BRF-4601*	Notch Filter, 450-470 MHz, / Requires 10 MHz separation (Factory Tuned)	$ 210.00
BRF-4602*	Dual Notch Filter, 450-470 MHz / Requires 5 MHz separation (Factory Tuned)	$ 350.00
7100-03-0707	Coax Switch (For use with single cavity Notch Filters Only)	$ 150.00
5800-22-2120	120 MHz High Pass Filter (SVR-200 UHF / VHF with Low Band Mobiles)	$ 115.00
5800-22-2360	360 MHz High Pass Filter (SVR-200 UHF with VHF/Low Band Mobiles)	$ 115.00
TCK-203	3'TNC Cable Kit for use with BPF/BRF Filters	$ 82.00
TCK-206	6'TNC Cable Kit for use with BPF/BRF Filters	$ 103.00

* FILTERS ARE FACTORY TUNED TO CUSTOMER SVR FREQUENCY. SVR Frequency and the closest TX/RX Frequency in the Mobile Radio must be provided with order. Pyramid Technicians verify that Frequency Spacing is acceptable before processing an order. For questions about Filter and/or Frequencies, please call 714-901-5462.

Please note a 3% convenience fee will be applied to Credit Card purchases over $500.00

Synthesized Vehicular Repeaters
250/252/P250 Series

SVR-252 Full Duplex Repeater

Part#	Description	List Price
SVR-252VB	Vehicular Repeater 150-174 MHz 15 / 30 KHz	$ 1,875.00
SVR-252UA*	Vehicular Repeater 406-420 MHz 12.5 / 25 KHz	$ 1,875.00
SVR-252UD	Vehicular Repeater 450-470 MHz 12.5 / 25 KHz	$ 1,875.00
SVR-252UE*	Vehicular Repeater 470-490 MHz 12.5 / 25 KHz	$ 1,875.00
SVR-252MA	Vehicular Repeater 806-870 MHz 12.5 / 25 KHz	$ 1,875.00
SVR-252MC	Vehicular Repeater 764-806 MHz 12.5 / 25 KHz	$ 1,875.00

*Special Order Only

SVR-P250 / SVR-250 / SVR-252 Factory Cables

Part#	Description	List Price
7500-10-1201	10' blunt cut cable with DB15F (included with SVR-250 / 252/P250)	$ 17.00
7501-10-1244	Kenwood TK-6110 Interface Cable	$ 100.00
7505-10-1244	Kenwood TK-X160 Interface Cable	$ 100.00
7500-10-1244	Kenwood TK-X30 (TK-630 / 730 / 830) Series Interface Cable	$ 100.00
7503-10-1244	Kenwood TK-X40 Series Interface Cable	$ 100.00
7502-10-1244	Kenwood TK-X60G Series Interface Cable	$ 100.00
7504-10-1244	Kenwood TK-X80 Series Interface Cable	$ 100.00
7500-10-1245	Kenwood TK-X90 Series Interface Cable (Light Grey)	$ 100.00
7502-10-1245	Kenwood TK-5x10, TK-5x20, TK-x180, NX-x00 Series Interface Cable	$ 100.00
7500-10-1247	Harris M7300 Interface Cable	$ 100.00
7510-06-1214	Harris Orion Dual Band / M7100 Interface Cable 6' (DB15F to DB37)	$ 100.00
7500-06-1214	Harris Orion Single Band Interface Cable 6' (DB15F to DB37)	$ 100.00
7501-10-1293	Motorola CDM/Radius Series Interface Cable	$ 100.00
7500-10-1292	Motorola XPR Series Interface Cable	$ 100.00
7505-10-1213	Motorola MCS-2000 DB25 (Smart Cable)	$ 150.00
7515-10-1245	Motorola Astro Spectra High Power DB25 (Smart Cable)	$ 150.00
7505-10-1212	Motorola Astro Spectra Low Power DB15 (Smart Cable)	$ 150.00
7506-10-1294	Motorola APX Series Mid/Low Power DB26 (Smart Cable)	$ 150.00
7506-10-1245	Motorola APX Series High Power Dual Gender Power DB25 (Smart Cable)	$ 150.00
7505-10-1294	Motorola XTL-5000/2500 Mid/Low Power DB26 (Smart Cable)	$ 150.00
7505-10-1245	Motorola XTL-5000/2500 / PM1500 High Pwr Dual Gender DB25 (Smart Cable)	$ 150.00
7500-10-1211	Tait TM Series Interface Cable	$ 100.00

SVR Interface Products

Part#	Description	List Price
MSAT-230	SVR Interface to LightSquared G2 Satellite Phone (when ordered with Pyramid SVR)	$ 150.00
MSAT-230	SVR Interface to LightSquared G2 Satellite Phone (when ordered without Pyramid SVR)	$ 250.00
RCS-200	Remote Channel Selector (Contact Pyramid for Mobile Compatibility)	$ 150.00
RCSE-200	Remote Channel Selector for Harris Orion Mobile	$ 250.00
RCSE-201	Remote Channel Selector for Harris 7100 Mobile	$ 250.00
AGC-7100	Automatic Gain Control Module for Harris M7100 Mobile	$ 250.00

Please note a 3% convenience fee will be applied to Credit Card purchases over $500.00

Mobile Data/AVL

3012 Mobile Data Terminal

Part#	Description	List Price
3012	MDT/AVL Fleet Tracker (GPS receiver optional)	$ 695.00
3012NX	MDT for NEXEDGE	$ 695.00
2016D	Base Modem MSK to ASCII	$ 795.00
9205-09-0128	Internal 16 Channel GPS Receiver	$ 140.00
9200-01-1111	Credit Card Reader for 3012 / 3012NX	$ 85.00
9200-96-7212	Thermal Printer	$ 250.00
9900-02-0005	GPS Antenna (Magnetic Mount)	$ 50.00
9900-04-0005	GPS Antenna (NMO Mount)	$ 100.00
MSR-505	Time Card / Student ID Mag Card Writer	$ 835.00
9300-16-0203	Blank Magnetic Cards (100 Pack)	$ 42.00

Mobile Data Factory Interface Cables

2017/3012 Merlin Interface Cables

Part#	Description	List Price
7500-10-1201	10 ft Cable with DB15F / Blunt cut (included with 2017 / 3012 / 3012NX)	$ 17.00
7520-10-1044	2017 / 3012 Kenwood TK-x30	$ 60.00
7520-10-1245	2017 / 3012 Kenwood TK-x180 (red)	$ 60.00
7521-10-1044	2017 / 3012 Kenwood TK-6110	$ 60.00
7521-10-1093	2017 / 3012 Motorola CDM / Radius Series	$ 60.00
7522-10-1044	2017 / 3012 Kenwood TK-x60G	$ 60.00
7523-10-1044	2017 / 3012 Kenwood TK-x40	$ 60.00
7524-10-1044	2017 / 3012 Kenwood TK-x80	$ 60.00
7525-10-1044	2017 / 3012 Kenwood TK-x160	$ 60.00
7524-10-1245	3012NX to Kenwood NX700/800	$ 100.00

2016D Base Modem Interface Cables

Part#	Description	List Price
7500-10-1201	10 ft Cable with DB15F / Blunt cut (included with 2016D)	$ 17.00
7520-10-1245	2016 / Kenwood TK-x180 (red)	$ 60.00
7530-10-1044	2016 / Kenwood TK-x30	$ 60.00
7531-10-1044	2016 / Kenwood TK-6110	$ 60.00
7531-10-1093	2016 / Motorola CDM / Radius Series	$ 60.00
7532-10-1044	2016 / Kenwood TK-x60G	$ 60.00
7533-10-1044	2016 / Kenwood TK -x40	$ 60.00
7534-10-1044	2016 / Kenwood TK-x80	$ 60.00
7535-10-1044	2016 / Kenwood TK-x160	$ 60.00

Please note a 3% convenience fee will be applied to Credit Card purchases over $500.00

Mobile Data/WM1000/FireHawk

Mapping Software and Licensing

Part#	Description	List Price
9300-33-2010	Street Smarts Platinum Version 5	$ 835.00
9300-13-2010	Street Smarts Server Edition Version 5	$ 1,000.00
9300-43-2010	Street Smarts Platinum Version 5 (Canadian Maps)	$ 1,500.00
9300-33-3011	Fleetsync / NEXEDGE GPS License Activation per vehical (one time fee)	$ 50.00
9300-33-2012	Street Smarts Enterprise Client	$ 835.00
9300-13-2012	Street Smarts Enterprise Server	$ 5,000.00
9300-53-2012	Street Smarts Mobile (iOS) Apple APP Store	$ 199.00
9300-33-3012	Command Alkon Software Feature Key (Command Series)	$ 500.00
9300-33-3015	Command Alkon Software Feature Key (Intgera)	$ 500.00
9300-33-3013	Trapeze Software Feature Key	$ 500.00
9300-33-3014	Multispeak / Milsoft Software Feature Key	$ 500.00
9300-33-3017	NEXEDGE IP API (Required per server for NEXEDGE IP site connections)	$ 1,000.00

2017 Fleet Tracker

Part#	Description	List Price
2017	Merlin GPS/ Fleet Tracker	$ 395.00
2016D	Base Modem MSK to ASCII	$ 795.00
9900-02-0005	GPS Antenna (Magnetic Mount)	$ 50.00
9900-04-0005	GPS Antenna (NMO Mount)	$ 100.00

WM-1000 Wireless Microphone System

Part#	Description	List Price
WK-1000	Wireless Microphone & wireless base WB-1000 Kit	$ 585.00
WM-1000	Wireless Microphone Only	$ 335.00
WB-1000	Wireless Base Only	$ 250.00
CH-0001	Wireless Microphone Charging Base Only (No RF)	$ 170.00
9000-01-8777	Wireless Microphone Extended Warranty	$ 65.00

FireHawk Pager

Part#	Description	List Price
VP-1VB	FireHawk VP Pager with USB Charger (VHF 150-157MHz)	$ 399.00
VPSC-1	FireHawk Base Charger	$ 49.00
VPAC-1	FireHawk Charger with External Speaker	$ 149.00
VPKIT-1VB	FireHawk VP Pager Dealer Start Up Kit (VHF 150-157 MHz)	N/A
9000-01-8680	FireHawk VP Extended Warranty	$ 65.00
DB-100	FireHawk DB Bridge	$ 950.00

-All FireHawk products can only be purchased after signing the Minimum Advertised Price (MAP) agreement

Please note a 3% convenience fee will be applied to Credit Card purchases over $500.00

Service and Support

Service Manuals

Part#	Description	List Price
9400-01-0003**	SVR-200 Service Manual	$ 25.00
9400-01-0250**	SVR-250 Service Manual	$ 30.00
9400-01-1250	SVR-P250 Service Manual	$ 30.00
9400-01-2016	2016 Base Modem Service Manual	$ 25.00
9400-01-2017	2017 Merlin Service Manual	$ 25.00
9400-01-3012**	3012 Service Manual	$ 25.00

Service Aids

Part#	Description	List Price
9500-01-0001**	SVR Tuning Tool Kit	$ 30.00
9500-01-0002**	Test Fixture (Simulates Mobile Radio for bench testing)	$ 110.00

Extended Warranty

Includes: SVR-200 / SVR-250 / SVR-252 / 3012 Series / 2017 Merlin

Part#	Description	List Price
9500-01-0250	1 Year Extended Warranty	$ 80.00
9500-02-0250	2 Year Extended Warranty	$ 150.00
9500-03-0250	3 Year Extended Warranty	$ 250.00

SVR-P250 Extended Warranty

Part#	Description	List Price
9500-04-0250	1 Year Extended Warranty	$ 250.00
9500-05-0250	2 Year Extended Warranty	$ 450.00
9500-06-0250	3 Year Extended Warranty	$ 650.00

Dealer Startup Kit

Part#	Description	List Price
9500-01-0003	Dealer Startup Kit	N/A

** Items Included in Dealer Startup Kit. Required for all new dealers.

Programming Cables

Part#	Description	List Price
FY-1**	Programming Cable & Software (SVR-200, 2017 Merlin)	$ 92.00
FY-3**	Programming Cable & Software (3012)	$ 25.00
FY-4**	Programming Cable & Software (SVR-250/SVR-P250)	$ 60.00

Please note a 3% convenience fee will be applied to Credit Card purchases over $500.00

For accurate lead times and order requirements on Special & Custom-Built items, please call Pyramid Sales at 714-901-5462.

Placing an Order with Pyramid Communications

1. **Email or call a Pyramid Communications Sales Representative, sales@pyramidcomm.com or 714-901-5462 to place your order.**

2. **Provide all pertinent information (contact info, PO, frequencies, shipping needs, etc)**

3. **Review your order confirmation and contact Pyramid Communications if changes need to be made.**

For sales or technical support, call Pyramid for live customer service, or visit our website to download price pages, service manuals, and user guides.

Returns and exchanges are subject to a 15% restocking fee.

Made in the USA

37 Shield, Irvine, California 92618
Voice: 714.901.5462 Fax: 714.901.5472
www.PyramidComm.com

Part Number	Catalog Number	List Price	Description
2014 CATALOG	8026030000	$ -	PRINTED INT'L CATALOG
2014 CATALOG CD	8026270000	$ -	2014 CD CATALOG
AC/DC ADAPTER	9500360000	$ 14.00	AC -F TO DC -F ADAPTER
ACE-201/AC/UTP/622	3570940000	$ 9,090.00	MULTISERVICE NETWORK TERMINATION UNIT, SINGLE 100 TO 240 VAC POWER SUPPLY, 1000BASET, ELECTRICAL RJ-45
ACE-201/DCR/SC13L-155/UTP-1000	3570810000	$ 9,235.00	ATM NETWORK TERMINATION UNIT, REDUNDANT ¿48 VDC POWER SUPPLY, 155 MBPS, 1310 NM SINGLE MODE SHORT HAUL LASER, SC CONNECTOR; 1000BASET ELECTRICAL
ACE-3100/AC/S2/4E1/PACK1	3811080000	$ 6,108.00	ACE-3100,AC POWER SUPPLY,2 X SDH/SONET 155M ATM PORTS (SFP CAGE),4 E1 PORTS,ATM AND PSN UPLINK
ACE-3100/AC/S2/4E1/PACK2/A	3811070000	$ 7,523.00	ACE-3100,AC POWER SUPPLY,2 X SDH/SONET 155M ATM PORTS (SFP CAGE),4 E1 PORTS,ATM AND PSN UPLINK WITH CLOCK RECOVERY SOFTWARE,INCLUDING CLOCK RECOVERY HARDWARE
ACE-3100/AC/S2/4T1/PACK1	3811120000	$ 4,524.00	ACE-3100,AC POWER SUPPLY,2 X SDH/SONET 155M ATM PORTS (SFP CAGE),4 T1 PORTS,ATM AND PSN UPLINK
ACE-3100/AC/S2/4T1/PACK2/A	3811220000	$ 5,573.00	ACE-3100,AC POWER SUPPLY,2 X SDH/SONET 155M ATM PORTS (SFP CAGE),4 T1 PORTS,ATM AND PSN UPLINK WITH CLOCK RECOVERY SOFTWARE,INCLUDING CLOCK RECOVERY HARDWARE
ACE-3100/AC/S2/4T1/SFP-ETH/P2/A	3811510000	$ 5,573.00	CELL-SITE GATEWAY, 100-240 VAC, 2 STM-1/OC-3C PORTS, 4 T1 PORTS, SFP SLOT ON ETHERNET PORT, ATM AND PSN UPLINK WITH SOFTWARE SUPPORT FOR SYNCHRONIZATION OVER PACKET, HARDWARE SUPPORT FOR ACCURATE CLOCK RECOVERY OVER PACKET
ACE-3100/DC/S2/4T1/PACK2/A	3811040000	$ 5,693.00	ACE-3100,DC POWER SUPPLY FOR 48V AND 60V,2 X SDH/SONET 155M ATM PORTS (SFP CAGE),4 T1 PORTS,ATM AND PSN UPLINK WITH CLOCK RECOVERY SOFTWARE,INCLUDING CLOCK RECOVERY HARDWARE
ACE-3105/1+A/4E1/P2/A/H	5310680000	$ 4,355.00	CELL-SITE GATEWAY, ADSL ANNEX A, 4 E1 PORTS, ATM AND PSN UPLINK WITH SOFTWARE SUPPORT FOR SYNCHRONIZATION OVER PACKET, HARDWARE SUPPORT FOR ACCURATE CLOCK RECOVERY OVER PACKET, HARDENED ENCLOSURE
ACE-3105/1+A/H	5310130000	$ 1,961.00	CELL-SITE GATEWAY, ADSL ANNEX A, HARDENED ENCLOSURE
ACE-3105/SH/4E1/A	5310030000	$ 3,928.00	CELL-SITE GATEWAY, 4 SHDSL PORTS, 4 E1 PORTS, HARDWARE SUPPORT FOR ACCURATE CLOCK RECOVERY OVER PACKET
ACE-3105/SH/4E1/P2/A/H	5310040000	$ 4,697.00	CELL-SITE GATEWAY, 4 SHDSL PORTS, 4 E1 PORTS, ATM AND PSN UPLINK WITH SOFTWARE SUPPORT FOR SYNCHRONIZATION OVER PACKET, HARDWARE SUPPORT FOR ACCURATE CLOCK RECOVERY OVER PACKET, HARDENED ENCLOSURE
ACE-3105/SH/4T1/P2/A/H	5310150000	$ 3,479.00	CELL-SITE GATEWAY, 4 SHDSL PORTS, 4 T1 PORTS, ATM AND PSN UPLINK WITH SOFTWARE SUPPORT FOR SYNCHRONIZATION OVER PACKET, HARDWARE SUPPORT FOR ACCURATE CLOCK RECOVERY OVER PACKET, HARDENED ENCLOSURE
ACE-3200/AC/S2/16T1/PACK2/A	3551530000	$ 11,415.00	ACE-3200,AC POWER SUPPLY,2 X SDH/SONET 155M ATM PORTS (SFP CAGE),16 T1 PORTS,ATM AND PSN UPLINK WITH CLOCK RECOVERY SOFTWARE,INCLUDING CLOCK RECOVERY HARDWARE
ACE-3200/AC/S2/8E1/PACK2/A	3551510000	$ 9,511.00	ACE-3200,AC POWER SUPPLY,2 X SDH/SONET 155M ATM PORTS (SFP CAGE),8 E1 PORTS,ATM AND PSN UPLINK WITH CLOCK RECOVERY SOFTWARE,INCLUDING CLOCK RECOVERY HARDWARE
ACE-3200/AC/S2/8T1/PACK1	3551590000	$ 5,885.00	ACE-3200,AC POWER SUPPLY,2 X SDH/SONET 155M ATM PORTS (SFP CAGE),8 T1 PORTS,ATM AND PSN UPLINK
ACE-3200/AC/S2/8T1/PACK2/A	3551330000	$ 7,045.00	ACE-3200,AC POWER SUPPLY,2 X SDH/SONET 155M ATM PORTS (SFP CAGE),8 T1 PORTS,ATM AND PSN UPLINK WITH CLOCK RECOVERY SOFTWARE,INCLUDING CLOCK RECOVERY HARDWARE
ACE-3200/ACR/S2/16E1/PACK2/A	3551360000	$ 15,547.00	ACE-3200,AC POWER SUPPLY WITH REDUNDANCY,2 X SDH/SONET 155M ATM PORTS (SFP CAGE),16 E1 PORTS,ATM AND PSN UPLINK WITH CLOCK RECOVERY SOFTWARE,INCLUDING CLOCK RECOVERY HARDWARE
ACE-3200/ACR/S2/16T1/A	3550990000	$ 9,133.00	CELL-SITE GATEWAY , REDUNDANT AC POWER SUPPLY, 2 STM-1/OC-3C PORTS, 16 T1 PORTS, HARDWARE SUPPORT FOR ACCURATE CLOCK RECOVERY OVER PACKET
ACE-3200/ACR/S2/16T1/PACK2/A	3551580000	$ 11,516.00	ACE-3200,AC POWER SUPPLY WITH REDUNDANCY,2 X SDH/SONET 155M ATM PORTS (SFP CAGE),16 T1 PORTS,ATM AND PSN UPLINK WITH CLOCK RECOVERY SOFTWARE,INCLUDING CLOCK RECOVERY HARDWARE
ACE-3200/ACR/S2/8E1/PACK2/A	3551320000	$ 9,647.00	ACE-3200,AC POWER SUPPLY WITH REDUNDANCY,2 X SDH/SONET 155M ATM PORTS (SFP CAGE),8 E1 PORTS,ATM AND PSN UPLINK WITH CLOCK RECOVERY SOFTWARE,INCLUDING CLOCK RECOVERY HARDWARE
ACE-3200/ACR/S2/8T1/PACK2/A	3551480000	$ 7,146.00	ACE-3200,AC POWER SUPPLY WITH REDUNDANCY,2 X SDH/SONET 155M ATM PORTS (SFP CAGE),8 T1 PORTS,ATM AND PSN UPLINK WITH CLOCK RECOVERY SOFTWARE,INCLUDING CLOCK RECOVERY HARDWARE
ACE-3200/DC/S2/16E1/A	3551020000	$ 12,356.00	CELL-SITE GATEWAY , DC, 2 STM-1/OC-3C PORTS, 16 E1 PORTS, HARDWARE SUPPORT FOR ACCURATE CLOCK RECOVERY OVER PACKET
ACE-3200/DC/S2/16T1/A	3551030000	$ 9,153.00	CELL-SITE GATEWAY , DC, 2 STM-1/OC-3C PORTS, 16 T1 PORTS, HARDWARE SUPPORT FOR ACCURATE CLOCK RECOVERY OVER PACKET
ACE-3200/DC/S2/8E1/PACK2/A	3551620000	$ 9,673.00	ACE-3200,DC POWER SUPPLY FOR 48V AND 60V,2 X SDH/SONET 155M ATM PORTS (SFP CAGE),8 E1 PORTS,ATM AND PSN UPLINK WITH CLOCK RECOVERY SOFTWARE,INCLUDING CLOCK RECOVERY HARDWARE
ACE-3200/DCR/S0/16T1/P2/A	3550690000	$ 10,744.00	CELL-SITE GATEWAY , REDUNDANT DC POWER SUPPLY, NO SDH/SONET PORTS, 16 T1 PORTS, ATM AND PSN UPLINK WITH SOFTWARE SUPPORT FOR SYNCHRONIZATION OVER PACKET, HARDWARE SUPPORT FOR ACCURATE CLOCK RECOVERY OVER PACKET
ACE-3200/DCR/S2/16E1	3551130000	$ 11,801.00	CELL-SITE GATEWAY , REDUNDANT DC POWER SUPPLY, 2 STM-1/OC-3C PORTS, 16 E1 PORTS
ACE-3200/DCR/S2/16E1/A	3551060000	$ 12,655.00	CELL-SITE GATEWAY , REDUNDANT DC POWER SUPPLY, 2 STM-1/OC-3C PORTS, 16 E1 PORTS, HARDWARE SUPPORT FOR ACCURATE CLOCK RECOVERY OVER PACKET
ACE-3200/DCR/S2/16E1/PACK2/A	3551340000	$ 15,872.00	ACE-3200,DC POWER SUPPLY FOR 48V AND 60V WITH REDUNDANCY,2 X SDH/SONET 155M ATM PORTS (SFP CAGE),16 E1 PORTS,ATM AND PSN UPLINK WITH CLOCK RECOVERY SOFTWARE,INCLUDING CLOCK RECOVERY HARDWARE
ACE-3200/DCR/S2/8T1/A	3551090000	$ 5,801.00	CELL-SITE GATEWAY , REDUNDANT DC POWER SUPPLY, 2 STM-1/OC-3C PORTS, 8 T1 PORTS, HARDWARE SUPPORT FOR ACCURATE CLOCK RECOVERY OVER PACKET
ACE-3220/AC/16E1/P3/AS	4820600000	$ 8,300.00	CELL-SITE GATEWAY, 100-240 VAC, 16 E1 PORTS, ATM AND PSN UPLINK WITH SOFTWARE SUPPORT FOR SYNCHRONIZATION OVER PACKET, MPLS LDP SOFTWARE FUNCTIONALITY, HARDWARE SUPPORT FOR SYNCHRONIZATION OVER PACKET AND SYNCHRONOUS ETHERNET
ACE-3220/AC/16T1/P3/AS	4820940000	$ 6,148.00	CELL-SITE GATEWAY, 100-240 VAC, 16 T1 PORTS, ATM AND PSN UPLINK WITH SOFTWARE SUPPORT FOR SYNCHRONIZATION OVER PACKET, MPLS LDP SOFTWARE FUNCTIONALITY, HARDWARE SUPPORT FOR SYNCHRONIZATION OVER PACKET AND SYNCHRONOUS ETHERNET
ACE-3220/AC/8E1/P3/AS	4821400000	$ 7,275.00	CELL-SITE GATEWAY, 100-240 VAC, 8 E1 PORTS, ATM AND PSN UPLINK WITH SOFTWARE SUPPORT FOR SYNCHRONIZATION OVER PACKET, MPLS LDP SOFTWARE FUNCTIONALITY, HARDWARE SUPPORT FOR SYNCHRONIZATION OVER PACKET AND SYNCHRONOUS ETHERNET
ACE-3220/AC/8T1/P3/AS	4821460000	$ 5,389.00	CELL-SITE GATEWAY, 100-240 VAC, 8 T1 PORTS, ATM AND PSN UPLINK WITH SOFTWARE SUPPORT FOR SYNCHRONIZATION OVER PACKET, MPLS LDP SOFTWARE FUNCTIONALITY, HARDWARE SUPPORT FOR SYNCHRONIZATION OVER PACKET AND SYNCHRONOUS ETHERNET
ACE-3220/AC/S1/16E1/P1	4821290000	$ 7,361.00	CELL-SITE GATEWAY, 100-240 VAC, 1 STM-1/OC-3C PORT, 16 E1 PORTS, ATM AND PSN UPLINK
ACE-3220/DC/16E1/P3/AS	4821010000	$ 8,454.00	CELL-SITE GATEWAY, DC, 16 E1 PORTS, ATM AND PSN UPLINK WITH SOFTWARE SUPPORT FOR SYNCHRONIZATION OVER PACKET, MPLS LDP SOFTWARE FUNCTIONALITY, HARDWARE SUPPORT FOR SYNCHRONIZATION OVER PACKET AND SYNCHRONOUS ETHERNET
ACE-3220/DC/16T1/P3/AS	4820950000	$ 6,262.00	CELL-SITE GATEWAY, DC, 16 T1 PORTS, ATM AND PSN UPLINK WITH SOFTWARE SUPPORT FOR SYNCHRONIZATION OVER PACKET, MPLS LDP SOFTWARE FUNCTIONALITY, HARDWARE SUPPORT FOR SYNCHRONIZATION OVER PACKET AND SYNCHRONOUS ETHERNET
ACE-3220/DC/8E1/P2/AS	4821390000	$ 7,173.00	CELL-SITE GATEWAY, DC, 8 E1 PORTS, ATM AND PSN UPLINK WITH SOFTWARE SUPPORT FOR SYNCHRONIZATION OVER PACKET, HARDWARE SUPPORT FOR SYNCHRONIZATION OVER PACKET AND SYNCHRONOUS ETHERNET

ACE-3220_SY/DCR/16E1/P2/AS	4821340000	$	8,539.00	CELL-SITE GATEWAY FOR SYCAMORE, REDUNDANT DC POWER SUPPLY, 16 E1 PORTS, ATM AND PSN UPLINK WITH SOFTWARE SUPPORT FOR SYNCHRONIZATION OVER PACKET, HARDWARE SUPPORT FOR SYNCHRONIZATION OVER PACKET AND SYNCHRONOUS ETHERNET
ACE-3220_SY/DCR/16T1/P2/AS	4821350000	$	6,325.00	CELL-SITE GATEWAY FOR SYCAMORE, REDUNDANT DC POWER SUPPLY, 16 T1 PORTS, ATM AND PSN UPLINK WITH SOFTWARE SUPPORT FOR SYNCHRONIZATION OVER PACKET, HARDWARE SUPPORT FOR SYNCHRONIZATION OVER PACKET AND SYNCHRONOUS ETHERNET
ACE-32XX-SW/16/PACK1	3550720000	$	1,907.00	SOFTWARE PACKAGE FOR ACE-32XX,ATM AND PSN UPLINK
ACE-3400/AC	3670040000	$	4,162.00	ACE-3400 CHASSIS, 3RU HIGH WITH FAN AND CONTROL CARDAND CONTROL CARD,AC POWER SUPPLY
ACE-3400/ACR	3670170000	$	4,782.00	ACE-3400 CHASSIS, 3RU HIGH WITH FAN AND CONTROL CARDAND CONTROL CARD,AC POWER SUPPLY WITH REDUNDANCY
ACE-3400/DC/R	3670180000	$	5,047.00	AGGREGATION SITE GATEWAY, REDUNDANT DC POWER SUPPLY
ACE-3402/AC	4700020000	$	2,517.00	AGGREGATION SITE GATEWAY, 100-240 VAC
ACE-3402/ACR	4700030000	$	3,137.00	AGGREGATION SITE GATEWAY, REDUNDANT AC POWER SUPPLY
ACE-3402/DCR	4700050000	$	3,403.00	AGGREGATION SITE GATEWAY, REDUNDANT DC POWER SUPPLY
ACE-3600/AC	4930010000	$	2,517.00	RNC-SITE GATEWAY, 100-240 VAC
ACE-52/AC/SC13L/155/ETH	1810030000	$	6,009.00	MULTISERVICE NETWORK TERMINATION UNIT, AC, 155 MBPS, 1310 NM SINGLE MODE SHORT HAUL LASER, SC CONNECTOR, ETHERNET INTERFACE
ACE-52/DC/SC13L-155/2ETH	1810360000	$	6,527.00	MULTISERVICE NETWORK TERMINATION UNIT, ¿48 VDC, 155 MBPS, 1310 NM SINGLE MODE SHORT HAUL LASER, SC CONNECTOR, 2 ETHERNET INTERFACES
ACE-CSG-IF/GBE	4860140000	$	513.00	MODULAR INTERFACE FOR CELL-SITE GATEWAYS, GIGABIT ETHERNET PORT
ACE-IF/155/13L/SC	4830130000	$	759.00	ACE INTERFACE, STM-1/OC-3,1310 NM SINGLE MODE SHORT HAUL,SC CONNECTOR
ACE-IF-155/13M/SC	4830110000	$	696.00	ACE INTERFACE, STM-1/OC-3,1310 NM MULTIMODE,SC CONNECTOR
ACE-IF-GBE/S4/SFP	4830030000	$	1,898.00	ACE INTERFACE, GBE, 4 STM-1/OC-3C PORTS, EMPTY SFP SLOT
ACE-IF-GBE/SFP	4830050000	$	633.00	ACE INTERFACE, GBE, EMPTY SFP SLOT
ACE-IF-GBE/UTP	4830040000	$	633.00	ACE INTERFACE, GBE, 10BASET UTP ETHERNET MANAGEMENT PORT
ACE-M/IMA-UNI/8T1	1360850000	$	4,934.00	8-PORT MODULE FOR ACE-202/2002/2002E, IMA/UNI, T1, RJ-45
ACE-M/LAN-UTP/E	1360890000	$	2,277.00	LAN MODULE FOR ACE-202/2002/2002E, ENHANCED PERFORMANCE 10/100BASET, RJ-45 CONNECTOR
ACE-MC/155/PACK1	4840180000	$	7,590.00	ACE MAIN CARD,2 X ATM SDH/SONET, 1 X GBE
ACE-MC/155-4/PACK1	4840210000	$	22,770.00	ACE MAIN CARD,4 X ATM SDH/SONET, 1 X GBE WITH REDUNDANCY ON ALL PORTS
ACE-MC/155-CH/PACK1	4840140000	$	21,404.00	ACE MAIN CARD,1 X CHANNELIZED SDH/SONET, 1 X ATM SDH/SONET, 1 X GBE
ACE-MC/32E1B/PACK1	4840200000	$	9,488.00	ACE MAIN CARD,32 X E1-BALANCED, 3 X ATM SDH/SONET, 1 X GBE
ACE-MC/63T1	4840090000	$	14,168.00	ACE MAIN CARD,63 X T1, 3 X ATM SDH/SONET
ACE-MC/63T1/PACK1	4840190000	$	17,002.00	ACE MAIN CARD,63 X T1, 3 X ATM SDH/SONET, 1 X GBE
ACE-MC-SW/LDP	4840230000	$	2,530.00	SOFTWARE PACKAGE FOR ACE-340X, ACE-3600, MPLS LDP
ACE-MC-SW/PACK1	4840240000	$	4,460.00	SOFTWARE PACKAGE FOR ACE-340X, ACE-3600, PSEUDOWIRE OVER PSN
ACE-PANEL/RJ45/28	3670260000	$	273.00	ACE-3400 1U PATCH PANEL BALANCED, RJ-45, 28 PORTS
ACE-PS/DC	4860040000	$	752.00	ACE-340X/360X POWER SUPPLY, DC
ADAPTOR-DB15M/RJ45F	0000000000	$	19.00	DB15 MALE TO RJ45 FEMALE ADAPTOR FOR FOM-E1T1
AIRMUX-200/PSCONNECTOR/TB-2PIN	9501720000	$	6.00	POWER CONNECTOR FOR AIRMUX-200 IDU HW4 AND BELOW
AIRMUX-400/IDUE/16TDM	5810210000	$	1,890.00	WIRELESS BROADBAND MULTIPLEXER, INDOOR UNIT ENHANCED, 16 TDM PORTS
AIRMUX-400/IDUE/2GBE	5810720000	$	683.00	WIRELESS BROADBAND MULTIPLEXER, INDOOR UNIT ENHANCED, 2 GBE PORTS
AIRMUX-400/IDUE/4TDM	5810220000	$	945.00	WIRELESS BROADBAND MULTIPLEXER, INDOOR UNIT ENHANCED, 4 TDM PORTS
AIRMUX-400/IDUE/8TDM	5810230000	$	1,260.00	WIRELESS BROADBAND MULTIPLEXER, INDOOR UNIT ENHANCED, 8 TDM PORTS
AIRMUX-400/ODU/F24F/200M/EXT	5811100000	$	2,205.00	WIRELESS BROADBAND MULTIPLEXER, EXTERNAL ANTENNA, FACTORY DEFAULT 2.4 GHZ, FCC/IC, 200 MBPS ETHERNET THROUGHPUT
AIRMUX-400/ODU/F25F/100M	5810890000	$	2,415.00	WIRELESS BROADBAND MULTIPLEXER, OUTDOOR UNIT, 2.5 GHZ, FCC (BRS), 100 MBPS ETHERNET THROUGHPUT
AIRMUX-400/ODU/F25F/100M/EXT	5810900000	$	2,205.00	WIRELESS BROADBAND MULTIPLEXER, OUTDOOR UNIT, 2.5 GHZ, FCC (BRS), 100 MBPS ETHERNET THROUGHPUT, EXTERNAL ANTENNA
AIRMUX-400/ODU/F3XE/100M	5810620000	$	2,415.00	AIRMUX-400 100M ODU WITH INT ANT, SUPPORTING 3.5 GHZ ETSI BAND
AIRMUX-400/ODU/F3XE/100M/EXT	5810630000	$	2,205.00	AIRMUX-400 100M ODU CONNECTORIZED FOR EXT ANT (2X N-TYPE), SUPPORTING 3.5 GHZ ETSI BAND
AIRMUX-400/ODU/F3XF/100M	5810660000	$	2,415.00	AIRMUX-400 100M ODU W/ INT ANT, SUPPORTING MULTI FREQ BANDS AT 3.X GHZ, FACTORY DEFAULT 3.65 GHZ FCC/IC
AIRMUX-400/ODU/F3XF/100M/EXT	5810670000	$	2,205.00	AIRMUX-400 100M ODU CONNECTORIZED FOR EXT ANT (2X N-TYPE), SUPPORTING MULTI FREQ BANDS AT 3.X GHZ FACTORY DEFAULT 3.65 GHZ FCC/IC
AIRMUX-400/ODU/F49F/200M/EXT	5810480000	$	2,205.00	WIRELESS BROADBAND MULTIPLEXER, OUTDOOR UNIT, FACTORY DEFAULT 4.9 GHZ, FCC, 100 MBPS ETHERNET THROUGHPUT, EXTERNAL ANTENNA
AIRMUX-400/ODU/F49F/200M/INT	5810540000	$	2,415.00	WIRELESS BROADBAND MULTIPLEXER, OUTDOOR UNIT, FACTORY DEFAULT 4.9 GHZ, FCC, 100 MBPS ETHERNET THROUGHPUT
AIRMUX-400/ODU/F4XU/100M/EXT	5810870000	$	4,463.00	WIRELESS BROADBAND MULTIPLEXER, OUTDOOR UNIT, 4.4 GHZ UNIVERSAL BAND 4.4 - 5.0 GHZ, 100 MBPS ETHERNET THROUGHPUT, EXTERNAL ANTENNA
AIRMUX-400/ODU/F58F/200M/EXT	5810710000	$	2,205.00	WIRELESS BROADBAND MULTIPLEXER, OUTDOOR UNIT, FACTORY DEFAULT 5.8GHZ, FCC/IC, 200 MBPS ETHERNET THROUGHPUT, EXTERNAL ANTENNA
AIRMUX-400/ODU/F58F/200M/INT	5810800000	$	2,415.00	WIRELESS BROADBAND MULTIPLEXER, OUTDOOR UNIT, FACT
AIRMUX-400/ODU-H/F58F/200M/INT	5811110000	$	4,760.00	WIRELESS BROADBAND MULTIPLEXER, RUGGEDIZED WITH INTEGRATED ANTENNA, FACTORY DEFAULT 5.8 GHZ, FCC/IC, 200 MBPS ETHERNET THROUGHPUT
AIRMUX-400-ANT/22/4451/FP	5260160000	$	725.00	FLAT PANEL ANT, 1.2FT, DUAL POLARIZATION, GAIN 22DBI, 4.4-5.1 GHZ BANDS
AIRMUX-400-ANT/23/4960/FP/1FT	6261310000	$	515.00	AIRMUX-400 ANTENNA, 23 DBI, 4.9 - 6.06 GHZ, 300 X 300 MM FP
AIRMUX-400-ANT/25/3338/DISH	5260730000	$	935.00	DISH ANTENNA, 2FT, DUAL POLARIZATION, GAIN 25.5DBI
AIRMUX-400-ANT/28/4964/FP	6261030000	$	1,250.00	AIRMUX-400 ANTENNA, 28 DBI, 4.900 - 6.425 GHZ, FLAT PANEL
AIRMUX-400-ANT/28/5260/DISH	5260180000	$	830.00	DISH 2FT, DUAL POLARIZATION, GAIN 28DBI, 5.250-6.000 GHZ
AIRMUX-400-ANT/28/5260R/DISH	5260760000	$	1,250.00	DISH ANTENNA, 2FT, DUAL POLARIZATION, GAIN 28DBI, 5.25-6. GHZ BANDS WITH PRE-ASSEMBLED RADOME
AIRMUX-400-ANT/32/4958/DISH	5260270000	$	1,250.00	DISH ANTENNA, 3FT, DUAL POLARIZATION, GAIN 32DBI, 4.90-5.875 GHZ BANDS (WITH RADOME BUT NOT PRE-ASSEMBLED)
AIRMUX-400L/ODU/F24F/EXT	6670050000	$	1,365.00	WIRELESS BROADBAND MULTIPLEXER, EXTERNAL ANTENNA, FACTORY DEFAULT 2.4 GHZ, FCC/IC, 50 MBPS ETHERNET THROUGHPUT
AIRMUX-400L/ODU/F49F/EMB	5810880000	$	1,365.00	WIRELESS BROADBAND MULTIPLEXER, OUTDOOR UNIT, FACTORY DEFAULT 4.9 GHZ, FCC, EMBEDDED INTEGRATED ANTENNA
AIRMUX-400L/ODU/F58F/EMB	5810840000	$	1,365.00	WIRELESS BROADBAND MULTIPLEXER, OUTDOOR UNIT, 5.X GHZ FCC/IC BAND, DEFAULT BAND 5.8 FCC/IC, EMBEDDED INTEGRATED ANTENNA
AIRMUX-400LC/ODU/F24F/10M/EXT	6680240000	$	473.00	WIRELESS BROADBAND MULTIPLEXER, EXTERNAL ANTENNA, FACTORY DEFAULT 2.4 GHZ, FCC/IC, 10 MBPS ETHERNET THROUGHPUT
AIRMUX-400LC/ODU/F24F/10M/INT	6680230000	$	525.00	WIRELESS BROADBAND MULTIPLEXER, INTEGRATED ANTENNA, FACTORY DEFAULT 2.4 GHZ, FCC/IC, 10 MBPS ETHERNET THROUGHPUT
AIRMUX-400LC/ODU/F24F/25M/EXT	6680220000	$	788.00	WIRELESS BROADBAND MULTIPLEXER, EXTERNAL ANTENNA,
AIRMUX-400LC/ODU/F54E/25M/INT	6680050000	$	1,210.00	AIRMUX-400 LC 25M SERIES ODU WITH INTEGRATED ANTENNA, SUPPORTING MULTI FREQUENCY BANDS AT 5.X GHZ, FACTORY DEFAULT 5.4 GHZ ETSI
AIRMUX-400LC/ODU/F54U/25M/INT	6680070000	$	896.00	AIRMUX-400 LC 25M SERIES ODU WITH INTEGRATED ANTENNA (2X N-TYPE), SUPPORTING MULTI FREQUENCY BANDS AT 5.X GHZ, FACTORY DEFAULT 5.4 GHZ UNIVERSAL

AIRMUX-400LC/ODU/F58F/10M/EXT	6680180000	$	473.00	AIRMUX-400 LC 10M SERIES ODU CONNECTORIZED FOR EXTERNAL ANTENNA (2X N-TYPE), SUPPORTING MULTI FREQUENCY BANDS AT 5.X GHZ, FACTORY DEFAULT 5.8 GHZ BAND FCC/IC (FCC/IC CERTIFIED)
AIRMUX-400LC/ODU/F58F/10M/INT	6680190000	$	525.00	AIRMUX-400 LC 10M SERIES ODU WITH INTEGRATED ANTENNA, SUPPORTING MULTI FREQUENCY BANDS AT 5.X GHZ, FACTORY DEFAULT 5.8 GHZ BAND FCC/IC (FCC/IC CERTIFIED)
AIRMUX-400LC/ODU/F58F/25M/EXT	6680160000	$	788.00	AIRMUX-400LC 25M SERIES ODU, CONNECTORIZED FOR EXT
AIRMUX-400LC/ODU/F58F/25M/INT	6680170000	$	840.00	AIRMUX-400 LC 25M SERIES ODU WITH INTEGRATED ANTENNA, SUPPORTING MULTI FREQUENCY BANDS AT 5.X GHZ, FACTORY DEFAULT 5.8 GHZ FCC/IC
AIRMUX-5000/BS/F25F/100M/EXT	6490280000	$	4,200.00	WIRELESS BROADBAND MULTIPLEXER, BASE STATION RADIO, 2.5 GHZ, FCC (BRS), 100 MBPS ETHERNET THROUGHPUT, EXTERNAL ANTENNA
AIRMUX-5000/BS/F3XE/100M/EXT	6490180000	$	4,200.00	WIRELESS BROADBAND MULTIPLEXER, BASE STATION RADIO, 3.5 GHZ, ETSI, 100 MBPS ETHERNET THROUGHPUT, EXTERNAL ANTENNA
AIRMUX-5000/BS/F3XF/100M/EXT	6490140000	$	4,200.00	WIRELESS BROADBAND MULTIPLEXER, BASE STATION RADIO, 3.5 GHZ, FCC, 100 MBPS ETHERNET THROUGHPUT, EXTERNAL ANTENN
AIRMUX-5000/BS/F54E/200M/EXT	6490050000	$	4,480.00	AIRMUX 5000 HBS 5200-SERIES, BASE STATION RADIO CONNECTORIZED FOR EXT. ANT (2X N-TYPE), SUPP. MULTI FREQ. BANDS AT 5.X GHZ, FACT. DEFAULT 5.4 GHZ ETSI
AIRMUX-5000/BS/F54U/200M/EXT	6490200000	$	4,480.00	WIRELESS BROADBAND MUX, BASE STATION RADIO, MULTIFREQUENCY BANDS AT 5.X GHZ, FACTORY DEFAULT 5.4 GHZ, 200 MBPS ETHERNET THROUGHPUT, EXT ANT
AIRMUX-5000/BS/F54U/MOB/EXT	6490370000	$	9,450.00	AIRMUX-5000 HBS MOBILITY-SERIES, BASE STATION RADIO CONNECTORIZED FOR EXTERNAL ANTENNA (2X N-TYPE), SUPPORTING MULTI FREQUENCY BANDS AT 5.X GHZ, FACTORY DEFAULT 5.4 GHZ UNIVERSAL
AIRMUX-5000/BS/F58F/250M/EXT	6490060000	$	4,200.00	WIRELESS BROADBAND MULTIPLEXER, BASE STATION RADIO, FACTORY DEFAULT 5.8 GHZ, FCC/IC, 200 MBPS ETHERNET THROUGHPUT, EXTERNAL ANTENNA
AIRMUX-5000/BS/F58F/50M/EXT	6490300000	$	2,800.00	AIRMUX 5000 HBS 5050 SERIES, BASE STATION RADIO CO
AIRMUX-5000/BS/F58F/MOB/EXT	6490360000	$	9,450.00	AIRMUX-5000 HBS MOBILITY-SERIES, BASE STATION RADIO CONNECTORIZED FOR EXTERNAL ANTENNA, SUPPORTING MULTI FREQUENCY BANDS AT 5.X GHZ, FACTORY DEFAULT 5.8 GHZ FCC/IC
AIRMUX-5000/BS-ANT/14/4959/FP	5260290000	$	830.00	BASE STATION FLAT PANEL ANT, DUAL POLARIZATION, GAIN 14DBI, 4.90-5.950 GHZ BANDS, 90 DEG
AIRMUX-5000/BS-ANT/15/4959/FP	6490100000	$	830.00	BASE STATION FLAT PANEL ANT, DUAL POLARIZATION, GAIN 15DBI, 4.90-5.950 GHZ BANDS, 60 DEG
AIRMUX-5000/SU/F25F/20M/EXT	6490240000	$	1,050.00	WIRELESS BROADBAND MULTIPLEXER, SUBSCRIBER UNIT RADIO, 2.5 GHZ, FCC (BRS), 20 MBPS ETHERNET THROUGHPUT, EXTERNAL ANTENNA
AIRMUX-5000/SU/F25F/20M/INT	6490250000	$	1,260.00	WIRELESS BROADBAND MULTIPLEXER, SUBSCRIBER UNIT RADIO, 2.5 GHZ, FCC (BRS), 20 MBPS ETHERNET THROUGHPUT, INTEGRATED ANTENNA
AIRMUX-5000/SU/F3XE/10M/INT	6490350000	$	735.00	AIRMUX-5000 HSU SUBSCRIBER UNIT RADIO WITH HIGH GAIN INTEGRATED ANTENNA, SUPPORT UP TO 10MBPS NET AGGREGATE THROUGHPUT, SUPPORTING 3.5 GHZ ETSI BAND
AIRMUX-5000/SU/F3XF/10M/INT	6490290000	$	735.00	AIRMUX-5000 HSU SUBSCRIBER UNIT RADIO WITH HIGH GAIN INTEGRATED ANTENNA, SUPPORT UP TO 10MBPS NET AGGREGATE THROUGHPUT, SUPPORTING MULTI FREQ.BANDS AT 3.X GHZ, FACTORY DEFAULT 3.65 GHZ FCC/IC
AIRMUX-5000/SU/F3XF/20M/EXT	6490260000	$	945.00	WIRELESS BROADBAND MULTIPLEXER, SUBSCRIBER UNIT RADIO, 3.5 GHZ, FCC, 20 MBPS ETHERNET THROUGHPUT, EXTERNAL ANTENNA
AIRMUX-5000/SU/F3XF/20M/INT	6490150000	$	1,050.00	WIRELESS BROADBAND MULTIPLEXER, SUBSCRIBER UNIT RADIO, 3.5 GHZ, FCC, 20 MBPS ETHERNET THROUGHPUT, INTEGRATED ANTENNA
AIRMUX-5000/SU/F54E/10M/EMB	6490030000	$	672.00	AIRMUX 5000 HSU 510-SERIES, SU RADIO WITH EMBEDDED ANT AND CONNECTORIZED FOR EXT. ANT (2X N-TYPE), SUPP. MULTI FREQ. BANDS AT 5.X GHZ, FACT. DEFAULT 5.4 GHZ ETSI
AIRMUX-5000/SU/F54E/20M/EMB	6490040000	$	896.00	AIRMUX 5000 HSU 520-SERIES, SU RADIO WITH EMBEDDED ANT AND CONNECTORIZED FOR EXT. ANT (2X N-TYPE), SUPP. MULTI FREQ. BANDS AT 5.X GHZ, FACT. DEFAULT 5.4 GHZ ETSI
AIRMUX-5000/SU/F54E/20M/INT	6490120000	$	1,120.00	AIRMUX 5000 HSU 520-SERIES, SU RADIO WITH INT. ANT, SUPP. MULTI FREQ. BANDS AT 5.X GHZ, FACT. DEFAULT 5.4 GHZ ETSI
AIRMUX-5000/SU/F54E/50M/EXT	6490170000	$	1,232.00	AIRMUX 5000 HSU 550-SERIES, SU RADIO CONNECTORIZED FOR EXT. ANT (2X N-TYPE), SUPP. MULTI FREQ. BANDS AT 5.X GHZ, FACT. DEFAULT 5.4 GHZ ETSI
AIRMUX-5000/SU/F54E/50M/INT	6490020000	$	1,400.00	AIRMUX 5000 HSU 550-SERIES, SU WITH INT. ANT, SUPP. MULTI FREQ. BANDS AT 5.X GHZ, FACT. DEFAULT 5.4 GHZ ETSI
AIRMUX-5000/SU/F54U/10M/EMB	6490210000	$	672.00	WIRELESS BROADBAND MUX, SUBSCRIBER UNIT RADIO, MULTIFREQUENCY BANDS AT 5.X GHZ, FACTORY DEFAULT 5.4 GHZ, 10 MBPS ETHERNET THROUGHPUT, EMBEDDED INT ANT
AIRMUX-5000/SU/F54U/20M/INT	6490220000	$	1,120.00	WIRELESS BROADBAND MUX, SUBSCRIBER UNIT RADIO, MULTIFREQUENCY BANDS AT 5.X GHZ, FACTORY DEFAULT 5.4 GHZ, 50 MBPS ETHERNET THROUGHPUT, INT ANT
AIRMUX-5000/SU/F54U/50M/INT	6490230000	$	1,313.00	WIRELESS BROADBAND MULTIPLEXER, SUBSCRIBER UNIT RADIO, MULTIFREQUENCY BANDS AT 5.X GHZ, FACTORY DEFAULT 5.4 GHZ, 50 MBPS ETHERNET THROUGHPUT, INTEGRATED ANTENNA
AIRMUX-5000/SU/F54U/M/EXT	6490560000	$	2,240.00	AIRMUX-5000 HSU MOBILITY-SERIES, MOBILE UNIT RADIO CONNECTORIZED FOR EXTERNAL ANTENNA, SUPPORTING MULTI FREQUENCY BANDS AT 5.X GHZ, FACTORY DEFAULT 5.4 GHZ UNIVERSAL
AIRMUX-5000/SU/F58F/10M/EMB	6490070000	$	630.00	AIRMUX 5000 HSU 510-SERIES, SU RADIO W EMBEDDED INT. ANT AND CONN. FOR EXT. ANT (2X N-TYPE), SUPP. MULTI FREQ. BANDS AT 5.X GHZ, FACT. DEFAULT 5.8 GHZ FCC/IC
AIRMUX-5000/SU/F58F/10M/EXT	6491000000	$	473.00	10MBPS SUBSCRIBER UNIT RADIO, FACTORY DEFAULT 5.8
AIRMUX-5000/SU/F58F/10M/INT	6490990000	$	525.00	10MBPS SUBSCRIBER UNIT RADIO, FACTORY DEFAULT 5.8
AIRMUX-5000/SU/F58F/20M/EMB	6490110000	$	840.00	AIRMUX 5000 HSU 520-SERIES, SU RADIO WITH EMBEDDED INT. ANT AND CONNECTORIZED FOR EXT. ANT (2X N-TYPE), SUPP. MULTI FREQ. BANDS AT 5.X GHZ, FACT. DEFAULT 5.8 GHZ FCC/IC
AIRMUX-5000/SU/F58F/20M/INT	6490080000	$	893.00	AIRMUX 5000 HSU 520-SERIES, SU RADIO WITH INT. ANT, SUPP. MULTI FREQ. BANDS AT 5.X GHZ, FACT. DEFAULT 5.8 GHZ FCC/IC
AIRMUX-5000/SU/F58F/50M/EXT	6490010000	$	893.00	AIRMUX 5000 HSU 550-SERIES, SU RADIO CONNECTORIZED FOR EXT. ANT (2X N-TYPE), SUPP. MULTI FREQ. BANDS AT 5.X GHZ, FACT. DEFAULT 5.8 GHZ FCC/IC
AIRMUX-5000/SU/F58F/50M/INT	6490090000	$	1,050.00	AIRMUX 5000 HSU 550-SERIES, SU RADIO WITH INT. ANT, SUPP. MULTI FREQ. BANDS AT 5.X GHZ, FACT. DEFAULT 5.8 GHZ FCC/IC
AIRMUX-5000/SU/F58F/MOB/EXT	6490380000	$	2,520.00	AIRMUX-5000 HSU MOBILITY-SERIES MOBILE UNIT RADIO CONNECTORIZED FOR EXTERNAL ANTENNA, SUPPORTING MULTI FREQUENCY BANDS AT 5.X GHZ, FACTORY DEFAULT 5.8 GHZ FCC/IC
AIRMUX-5000-BS-ANT/11/4959/FP	6260960000	$	830.00	BASE STATION MIMO ANTENNA, 11DBI, 4.900-5.950 GHZ 120 DEGREES
AIRMUX-5000-BS-ANT/14/3338/FP	6490160000	$	830.00	BASE STATION FLAT PANEL ANTENNA, DUAL POLARIZATION, GAIN 14DBI, 3.3-3.8 GHZ BANDS, 90 DEG
AIRMUX-5000-BS-ANT/15/4959/M/FP	6490400000	$	790.00	BASE STATION FLAT PANEL, MOBILITY ANTENNA, DUAL POLARIZATION, GAIN 15DBI, 4.90-6.060 GHZ BANDS, 120 DEG
AIRMUX-5000-BS-ANT/17/4958/M/FP	6490840000	$	790.00	ANTENNA FOR AIRMUX-5000 BS MOBILE, SINGLE POL SECTOR ANTENNA WITH 16.5 DBI GAIN, SUPPORTING 4.9 5.875 GHZ
AIRMUX-5000-SU-ANT/10/4958/M/OMNI	6490420000	$	290.00	ANTENNA FOR AIRMUX-5000 SU MOBILE, OMNI-DIRECTIONAL ANTENNA, GAIN 10DBI, 4.9-5.875GHZ
AIRMUX-5000-SU-ANT/12/5759/M/OMNI	6490850000	$	1,140.00	ANTENNA FOR AIRMUX-5000 SU MOBILE, OMNI-DIRECTIONAL ANTENNA, GAIN 12DBI, 5.725-5.875GHZ
AIRMUX-5000-SU-ANT/15/5759/M/OMNI	6490860000	$	1,140.00	ANTENNA FOR AIRMUX-5000 SU MOBILE, OMNI-DIRECTIONAL ANTENNA, GAIN 15DBI, 5.725-5.875GHZ
AIRMUX-CBL-COAX/4	0000000000	$	158.00	AIRMUX ODU TO EXTERNAL ANTENNA CABLE, COAX, 4 FT, MALE/MALE, N-TYPE CONNECTORS
AIRMUX-FE-REPEATER	5260680000	$	158.00	FAST ETHERNET CABLE REPEATER
AIRMUX-GSU/ACUS	5260350000	$	1,040.00	OUTDOOR GPS-BASED SYNC UNIT FOR INTER-SITE SYNCHRONIZATION, AC US PLUG
AIRMUX-HSSU	1993430000	$	261.00	BROADBAND WIRELESS MULTIPLEXER, HUB SITE SYNC UNIT TO CONNECT 8 COLLOCATED OUTDOOR UNITS AND 1 ADDITIONAL HSSU
AIRMUX-IDU/2ETH	5260100000	$	473.00	INDOOR UNIT WITH ETHERNET INTERFACE, SUPP WIDE RANGE DC INPUT (20 TO 60 VDC).. POWER ADAPTER ORDER SEPARATELY AIRMUX-PS-E-AC/ACUS
AIRMUX-IDU/2TDM	5260110000	$	683.00	INDOOR UNIT WITH 2XE1/T1, 2 ETH INTERFACES AND EXTERNAL ALARMS INTERFACES, SUPPORTING WIDE RANGE DC INPUT (20 TO 60 VDC) - PS MUST BE ORDERED SEPARATELY!! AIRMUX-PS-E-AC/ACUS

AIRMUX-IDUH/2ETH	5260740000	$	840.00	IDU-H WITH 2 ETHERNET 10/100/1000 BT & 2 SFP PORTS, FEEDING UP TO 6 HBS RADIOS
AIRMUX-LIGHTNING-PROTECTION	5260010000	$	126.00	EXTERNAL LIGHTNING PROTECTION UNIT, IEC 61000-4-5 COMPLIANT - HIGHLY RECOMMENDED TO ORDER 2 PER SITE
AIRMUX-LIGHTNING-PROTECTION-KIT	5260430000	$	1,050.00	KIT OF 10 OUTDOOR LIGHTNING PROTECTION UNITS
AIRMUX-MHS-KIT	1992800000	$	226.00	CABLE AND PATCH PANEL FOR MONITORED HOT STANDBY CO
AIRMUX-OPOE/DC	1994480000	$	315.00	OUTDOOR DC-POE DEVICE FOR AIRMUX RADIOS, WITH 20VDC-60VDC POWER FEEDING
AIRMUX-OPOE/GBE/AC	5261050000	$	315.00	AC OUTDOOR POE, 100-240VAC NOMINAL RANGE
AIRMUX-OPOE/GBE/DC	5261220000	$	315.00	OUTDOOR DC-POE DEVICE FOR AIRMUX-400 AND AIRMUX-5000 HSU RADIOS, WITH 10VDC-60VDC POWER FEEDING
AIRMUX-POE/GBE/ACUS	6260210000	$	84.00	POE DEVICE, 10/100/1000BT INTERFACE FOR ALL AIRMUX RADIOS, AC US PLUG
AIRMUX-POE/GBE/DC	6260130000	$	126.00	POE DEVICE, 10/100/1000BT INTERFACE FOR ALL AIRMUX RADIOS, DC PLUG
AIRMUX-POE/RUG/2060DC	5260790000	$	315.00	RUGGEDIZED DC-POE DEVICE FOR AIRMUX-5000 MOBILE UNITS WITH 20-60VDC POWER FEEDING WITHOUT MOUNTING KIT
AIRMUX-PSCONNECTOR/TB-3PIN	9504010000	$	3.00	POWER CONNECTOR FOR AIRMUX IDU & IDUE
AIRMUX-PS-E-AC/ACEU	5810130000	$	62.00	AC POWER ADAPTOR FOR IDU-E, 90-240 VAC TO 48 VDC ,
AIRMUX-PS-E-AC/US	5810200000	$	58.00	AC POWER ADAPTOR (90-240VAC TO 48VDC) FOR IDU-E AND IDU RD-7100 SERIES
AIRMUX-PS-H-AC/ACUS	5260810000	$	221.00	IDU-H AC POWER ADAPTOR (90-240VAC TO 48VDC) FOR IDU-H, US AC PLUG
AIRMUX-RMK-SPARE	5260310000	$	32.00	SPARE MOUNTING KIT FOR AIRMUX ODU
AIRMUX-TERMINATION-KIT	5260190000	$	131.00	AIRMUX HSS CABLE TERMINATION KIT - 10 GLANDS
				UPON STOCK COMPLETION USE PN AIRMUX-LIGHTNING-PROTECTION*RD99240006 AIRMUX ADVANCED LIGHTNING PROTECTION UNIT FOR 1-48VDC AND 1-ETHERNET LINE WITH
ALPU-TSU	000TSI0001	$	242.00	SCREW TERM AND RJ45 CONNECTION
ASM10/8/SA/115	6600020000	$	489.00	SYNCHRONOUS/ASYNCHRONOUS SHORT-RANGE MODEM 19.2 KBPS, 115 VAC
ASM10/8/SA/230	6600030000	$	661.00	SYNCHRONOUS/ASYNCHRONOUS SHORT-RANGE MODEM 19.2 KBPS, 230 VAC
ASM10/8/SA/48	6600080000	$	690.00	SYNCHRONOUS/ASYNCHRONOUS SHORT-RANGE MODEM, 2-WIRE, 19.2 KBPS, -48 VDC
ASM-214-PS/115	6090100000	$	397.00	115 VAC FOR ASM-MN-214 RACK
ASM-214-PS/230	6090110000	$	397.00	230 VAC FOR ASM-MN-214 RACK
ASM-214-PS/48	6090130000	$	1,121.00	-48 VDC FOR ASM-MN-214 RACK
ASM-61/AC/CO	1820010000	$	661.00	2-WIRE SYMMETRICAL VDSL-BASED MODEM, AC, FOR CENTRAL OFFICE
ASM-61/AC/CPE	1820020000	$	661.00	2-WIRE SYMMETRICAL VDSL-BASED MODEM, AC, FOR CUSTOMER PREMISES
ASM-61/DC/CO	1820030000	$	661.00	2-WIRE SYMMETRICAL VDSL-BASED MODEM, ?48 VDC, FOR CENTRAL OFFICE INSTALLATION
ASM-61/DC/CPE	1820040000	$	661.00	2-WIRE SYMMETRICAL VDSL-BASED MODEM, ?48 VDC, FOR CUSTOMER PREMISES INSTALLATION
				SHDSL MODEM/MULTIPLEXER, 24 VDC, E1 DTE INTERFACE, 4-WIRE
ASMI-52/24V/E1/4W	2960360000	$	1,396.00	
ASMI-52/24V/ETH/2W	2960770000	$	823.00	SHDSL MODEM/MULTIPLEXER, 24 VDC, 10/100BASET DTE INTERFACE, 2-WIRE
ASMI-52/24V/ETH/2W/AR/ME/ETR	1481720000	$	1,051.00	SHDSL MODEM/MULTIPLEXER, 24 VDC, 10/100BASET DTE INTERFACE, 2-WIRE, 6-PIN ALARM RELAY PORT, METAL ENCLOSURE, EXTENDED RANGE
ASMI-52/24V/ETH/2W/ETR	1481710000	$	886.00	SHDSL MODEM/MULTIPLEXER, 24 VDC, 10/100BASET DTE INTERFACE, 2-WIRE, EXTENDED RANGE
ASMI-52/24V/ETH/2W/ME	2960580000	$	949.00	SHDSL MODEM/MULTIPLEXER, 24 VDC, 10/100BASET DTE INTERFACE, 2-WIRE, METAL ENCLOSURE
ASMI-52/24V/ETH/4W	2960450000	$	1,034.00	SHDSL MODEM/MULTIPLEXER, 24 VDC, 10/100BASET DTE INTERFACE, 4-WIRE
ASMI-52/24V/ETH/4W/AR	2960570000	$	936.00	SHDSL MODEM/MULTIPLEXER, 24 VDC, 10/100BASET DTE INTERFACE, 4-WIRE, 6-PIN ALARM RELAY PORT
ASMI-52/24V/ETH/4W/AR/ME/RAIL	2960760000	$	1,354.00	SHDSL MODEM/MULTIPLEXER, 24 VDC, 10/100BASET DTE INTERFACE, 4-WIRE, 6-PIN ALARM RELAY PORT, METAL ENCLOSURE
ASMI-52/24V/T1/4W	1481350000	$	899.00	SHDSL MODEM/MULTIPLEXER, 24 VDC, T1 DTE INTERFACE, 4-WIRE
ASMI-52/24V/T1/4W/AR/ME	2960830000	$	1,063.00	SHDSL MODEM/MULTIPLEXER, 24 VDC, T1 DTE INTERFACE, 4-WIRE, 6-PIN ALARM RELAY PORT, METAL ENCLOSURE
ASMI-52/24V/T1/4W/ETH/AR	1481970000	$	1,366.00	SHDSL MODEM/MULTIPLEXER, 24 VDC, T1 DTE INTERFACE, 4-WIRE, 10/100BASET DTE INTERFACE, 6-PIN ALARM RELAY PORT
ASMI-52/CQB/E1B/2W/TB	1480600000	$	3,006.00	QUAD MODEM MODULE FOR LRS-24 ANSI RACK, E1 BALANCED TERMINAL BLOCK, 2-WIRE
ASMI-52/E1/2W	2960170000	$	941.00	SHDSL MODEM/MULTIPLEXER, E1 DTE INTERFACE, 2-WIRE
ASMI-52/E1/2W/ETH	2960010000	$	1,043.00	SHDSL MODEM/MULTIPLEXER, 100-240 VAC, ETHERNET PORT, 2-WIRE, E1 INTERFACE
ASMI-52/E1/4W	2960260000	$	1,043.00	SHDSL MODEM/MULTIPLEXER, 100-240 VAC, 4-WIRE, E1 INTERFACE
ASMI-52/E1/4W/ETH	2960100000	$	1,145.00	SHDSL MODEM/MULTIPLEXER, E1 DTE INTERFACE, 4-WIRE, 10/100BASET DTE INTERFACE
ASMI-52/E1/4W/ME	2960480000	$	1,213.00	SHDSL MODEM/MULTIPLEXER, 100-240 VAC, 4-WIRE, E1 INTERFACE, METAL ENCLOSURE
ASMI-52/E1/4W/V35	2960930000	$	1,128.00	SHDSL MODEM/MULTIPLEXER, E1 DTE INTERFACE, 4-WIRE, V.35 DTE INTERFACE
ASMI-52/ETH/2W	2960190000	$	696.00	SHDSL MODEM/MULTIPLEXER, 100-240 VAC, 2-WIRE, ETHERNET PORT
ASMI-52/ETH/2W/ME/ETR	1482000000	$	886.00	SHDSL MODEM/MULTIPLEXER, 10/100BASET DTE INTERFACE, 2-WIRE, METAL ENCLOSURE, EXTENDED RANGE
ASMI-52/ETH/4W	2960120000	$	772.00	SHDSL MODEM/MULTIPLEXER, 100-240 VAC, 4-WIRE, ETHERNET PORT
ASMI-52/ETH/4W/AR	2960150000	$	810.00	SHDSL MODEM/MULTIPLEXER, 10/100BASET DTE INTERFACE, 4-WIRE, 6-PIN ALARM RELAY PORT
ASMI-52/ETH/4W/AR/ME	2960160000	$	936.00	SHDSL MODEM/MULTIPLEXER, 100-240 VAC, 4-WIRE, ETHERNET PORT, 6-PIN ALARM RELAY PORT, METAL ENCLOSURE
ASMI-52/ETH/4W/AR/ME/RAIL	2960720000	$	1,113.00	SHDSL MODEM/MULTIPLEXER, 10/100BASET DTE INTERFACE, 4-WIRE, 6-PIN ALARM RELAY PORT, METAL ENCLOSURE, EXTENDED RANGE
ASMI-52/ETH/4W/ME	2960210000	$	899.00	SHDSL MODEM/MULTIPLEXER, 10/100BASET DTE INTERFACE, 4-WIRE, METAL ENCLOSURE
ASMI-52/NULL/NULL/RS530/4W/NULL/ME	1482520000	$	898.00	SHDSL MODEM/MULTIPLEXER, BUILT-IN AC POWER SUPPLY, RS-530 INTERFACE, 4W, METAL ENCLOSURE
ASMI-52/RS530/2W/ETH	2960610000	$	772.00	SHDSL MODEM/MULTIPLEXER, RS-530 DTE INTERFACE, 2-WIRE, 10/100BASET DTE INTERFACE
ASMI-52/RS530/4W	2960290000	$	772.00	SHDSL MODEM/MULTIPLEXER, RS-530 DTE INTERFACE, 4-WIRE
ASMI-52/T1/2W	2960080000	$	696.00	SHDSL MODEM/MULTIPLEXER, 100-240 VAC, 2-WIRE, T1 INTERFACE
ASMI-52/T1/2W/AR	2960050000	$	734.00	SHDSL MODEM/MULTIPLEXER, T1 DTE INTERFACE, 2-WIRE, 6-PIN ALARM RELAY PORT
ASMI-52/T1/2W/AR/24V	1481060000	$	860.00	SHDSL MODEM/MULTIPLEXER, 24 VDC, T1 DTE INTERFACE, 2-WIRE, 6-PIN ALARM RELAY PORT
ASMI-52/T1/2W/AR/ME	1481230000	$	860.00	SHDSL MODEM/MULTIPLEXER, T1 DTE INTERFACE, 2-WIRE, 6-PIN ALARM RELAY PORT, METAL ENCLOSURE
ASMI-52/T1/2W/ETH	1481200000	$	772.00	SHDSL MODEM/MULTIPLEXER, T1 DTE INTERFACE, 2-WIRE, 10/100BASET DTE INTERFACE
ASMI-52/T1/2W/ETH/AR	2960060000	$	810.00	SHDSL MODEM/MULTIPLEXER, T1 DTE INTERFACE, 2-WIRE, 10/100BASET DTE INTERFACE, 6-PIN ALARM RELAY PORT
ASMI-52/T1/4W	2960090000	$	772.00	SHDSL MODEM/MULTIPLEXER, T1 DTE INTERFACE, 4-WIRE
ASMI-52/T1/4W/AR	2960040000	$	810.00	SHDSL MODEM/MULTIPLEXER, 100-240 VAC, 4-WIRE, T1 INTERFACE, 6-PIN ALARM RELAY PORT
ASMI-52/T1/4W/AR/ME	2960840000	$	936.00	SHDSL MODEM/MULTIPLEXER, T1 DTE INTERFACE, 4-WIRE, 6-PIN ALARM RELAY PORT, METAL ENCLOSURE
ASMI-52/T1/4W/ETH	2960660000	$	848.00	SHDSL MODEM/MULTIPLEXER, T1 DTE INTERFACE, 4-WIRE, 10/100BASET DTE INTERFACE

ASMI-52/T1/4W/ETH/AR	2960070000	$	886.00	SHDSL MODEM/MULTIPLEXER, T1 DTE INTERFACE, 4-WIRE, 10/100BASET DTE INTERFACE, 6-PIN ALARM RELAY PORT
ASMI-52/T1/4W/ETH/AR/ME	1481650000	$	1,366.00	SHDSL MODEM/MULTIPLEXER, T1 DTE INTERFACE, 4-WIRE, 10/100BASET DTE INTERFACE, 6-PIN ALARM RELAY PORT, METAL ENCLOSURE
ASMI-52/T1/4W/ETH/ME	1481760000	$	975.00	SHDSL MODEM/MULTIPLEXER, T1 DTE INTERFACE, 4-WIRE, 10/100BASET DTE INTERFACE, METAL ENCLOSURE
ASMI-52/T1/4W/ME	1481890000	$	899.00	SHDSL MODEM/MULTIPLEXER, T1 DTE INTERFACE, 4-WIRE, METAL ENCLOSURE
ASMI-52/V35/2W	2960180000	$	696.00	SHDSL MODEM/MULTIPLEXER, V.35 DTE INTERFACE, 2-WIRE
ASMI-52/V35/2W/ETH	2960410000	$	772.00	SHDSL MODEM/MULTIPLEXER, V.35 DTE INTERFACE, 2-WIRE, 10/100BASET DTE INTERFACE
ASMI-52/V35/4W	2960270000	$	772.00	SHDSL MODEM/MULTIPLEXER, V.35 DTE INTERFACE, 4-WIRE
ASMI-52/V35/4W/ETH	2960020000	$	848.00	SHDSL MODEM/MULTIPLEXER, V.35 DTE INTERFACE, 4-WIRE, 10/100BASET DTE INTERFACE
ASMI-52/V35/4W/ETH/AR	2960030000	$	886.00	SHDSL MODEM/MULTIPLEXER, V.35 DTE INTERFACE, 4-WIRE, 10/100BASET DTE INTERFACE, 6-PIN ALARM RELAY PORT
ASMI-52/X21/2W	2960430000	$	941.00	SHDSL MODEM/MULTIPLEXER, 100-240 VAC, 2-WIRE, X.21 INTERFACE
ASMI-52/X21/2W/ETH	2960300000	$	1,043.00	SHDSL MODEM/MULTIPLEXER, X.21 DTE INTERFACE, 2-WIRE, 10/100BASET DTE INTERFACE, METAL ENCLOSURE
ASMI-52/X21/4W	2960200000	$	1,043.00	SHDSL MODEM/MULTIPLEXER, X.21 DTE INTERFACE, 4-WIRE
ASMI-52CQB/ETH/2W/TB	2930430000	$	1,518.00	4 SHDSL/ETH MODEM CARD, 2W
ASMI-52CQF/ETH/2W/TB	2930420000	$	1,518.00	4 SHDSL/ETH MODEM CARD, 2W
ASMI-52L/24V/4ETH/2W/RAIL/ETR	4650130000	$	1,101.00	SHDSL MODEM/MULTIPLEXER, 24 VDC, 4 ETHERNET PORTS, 2-WIRE, RAIL-MOUNT ENCLOSURE, FOR EXTENDED TEMPERATURE RANGE
ASMI-52L/4ETH/2W	4650030000	$	569.00	SHDSL MODEM/MULTIPLEXER, 4 ETHERNET PORTS, 2-WIRE
ASMI-52L/4ETH/4W	4650040000	$	645.00	SHDSL MODEM/MULTIPLEXER, 4 ETHERNET PORTS, 4-WIRE
ASMI-52L/E1/2W	4650110000	$	683.00	SHDSL MODEM/MULTIPLEXER, E1 INTERFACE, 2-WIRE
ASMI-52L/E1/4W	4650120000	$	785.00	SHDSL MODEM/MULTIPLEXER, E1 INTERFACE, 4-WIRE
ASMI-52L/ETH/2W	4650010000	$	506.00	SHDSL MODEM/MULTIPLEXER, ETHERNET PORT, 2-WIRE
ASMI-52L/ETH/4W	4650020000	$	582.00	SHDSL MODEM/MULTIPLEXER, ETHERNET PORT, 4-WIRE
ASMI-52L/V35/2W	4650050000	$	506.00	SHDSL MODEM/MULTIPLEXER, V.35 INTERFACE, 2-WIRE
ASMI-52L/V35/4W	4650060000	$	582.00	SHDSL MODEM/MULTIPLEXER, V.35 INTERFACE, 4-WIRE
ASMI-52L/X21/2W	4650070000	$	683.00	SHDSL MODEM/MULTIPLEXER, X.21 INTERFACE, 2-WIRE
ASMI-54/4E1/4ETH/8W	5030420000	$	1,772.00	SHDSL.BIS MODEM , 4 E1 PORTS, 4 10/100BASET PORTS, 8-WIRE
ASMI-54/4ETH/8W	5030050000	$	1,417.00	SHDSL.BIS MODEM , 4 10/100BASET PORTS, 8-WIRE
ASMI-54/4ETH/8W/D/R	5030710000	$	2,055.00	G.BIS MODEM, 4 ETH 8 WIRE REDUNDANT POWER
ASMI-54/4ETH/8W/M	5030510000	$	1,417.00	SHDSL.BIS MODEM , 4 10/100BASET PORTS, 8-WIRE, MULTIPOINT
ASMI-54/4ETH/8W/M/1NULL3UTP/ME	5030740000	$	1,559.00	SHDSL.BIS MODEM , 4 10/100BASET PORTS, 8-WIRE, MULTIPOINT, 4 FE UTP PORTS: 1 USER PORT WITH EMPTY SFP SLOT, 3 10/100/1000BT UTP PORTS, METAL ENCLOSURE
ASMI-54/4ETH/ETR/8W/RAIL/D	5030610000	$	2,239.00	SHDSL.BIS MODEM , 4 10/100BASET PORTS, FOR EXTENDED TEMPERATURE RANGE, 8-WIRE, RAIL-MOUNT ENCLOSURE, DUAL UPLINK
ASMI-54C/ETH/UTP	5250060000	$	2,267.00	16W SHDSL.BIS CARD FOR ASMI-54, 10/100BASET, 10BASET UTP ETHERNET MANAGEMENT PORT
ASMI-54L/24V/4ETH/2W	5490650000	$	850.00	SHDSL.BIS MODEM, 24 VDC, FOUR-PORT ETHERNET MODULE WITH 4 RJ-45 CONNECTORS, 2-WIRE SHDSL INTERFACE
ASMI-54L/24V/4ETH/4W	5490130000	$	922.00	SHDSL.BIS MODEM, 24 VDC, 4 10/100BASET PORTS, 4-WIRE
ASMI-54L/4ETH/2W	5490010000	$	708.00	SHDSL.BIS MODEM, 4 10/100BASET PORTS, 2-WIRE
ASMI-54L/4ETH/2W/ETR	5490770000	$	822.00	SHDSL.BIS MODEM, 4 10/100BASET PORTS, 2-WIRE, FOR EXTENDED TEMPERATURE RANGE
ASMI-54L/4ETH/4W	5490020000	$	850.00	SHDSL.BIS MODEM, 4 10/100BASET PORTS, 4-WIRE
ASMI-54L/4ETH/4W/E1	5490140000	$	1,063.00	SHDSL.BIS MODEM, 4 10/100BASET PORTS, 4-WIRE, E1 PORT
ASMI-54L/4ETH/4W/ETR	5490700000	$	964.00	SHDSL.BIS MODEM, 4 10/100BASET PORTS, 4-WIRE, FOR EXTENDED TEMPERATURE RANGE
ASMI-54L/4ETH/4W/ETR/ME	5491150000	$	1,106.00	SHDSL.BIS MODEM, 4 10/100BASET PORTS, 4-WIRE, FOR EXTENDED TEMPERATURE RANGE, METAL ENCLOSURE
ASMI-54L/4ETH/4W/HR	5490990000	$	992.00	SHDSL.BIS MODEM, 4 10/100BASET PORTS, 4-WIRE, HIGH RATE
ASMI-54L-LIC/HR	5491020000	$	142.00	LICENSE KEY FOR 11.4 MBPS, HIGH RATE
ASMI-54LRT/4ETH/8W	5490760000	$	1,012.00	ASMI-54L SHDSL.BIS MODEM WITH INTEGARTED ROUTER, 4 10/100BASET PORTS, 8-WIRE
ASM-MN-214/115	6090000000	$	834.00	14-SLOT CHASSIS FOR SHORT-RANGE MODEMS, 115 VAC
ASM-MN-214/115/115	6090050000	$	1,121.00	14-SLOT CHASSIS FOR SHORT-RANGE MODEMS, REDUNDANT 115 VAC POWER SUPPLIES
ASM-MN-214/115/115/BNC	6090370000	$	1,265.00	14-SLOT RACK FOR SHORT-RANGE MODEMS, REDUNDANT 115 VAC POWER SUPPLIES, 10BASE2 BRIDGE BNC
ASM-MN-214/115/115/RJ	6090150000	$	1,121.00	14-SLOT CHASSIS FOR SHORT-RANGE MODEMS, REDUNDANT 115 VAC POWER SUPPLIES, RJ-45 CONNECTOR
ASM-MN-214/115/48	6090080000	$	1,955.00	14-SLOT CHASSIS FOR SHORT-RANGE MODEMS, 115 VAC, ¿48 VDC
ASM-MN-214/115/48/BNC	6090290000	$	1,955.00	14-SLOT RACK FOR SHORT-RANGE MODEMS, 115 VAC, -48 VDC, 10BASE2 BRIDGE BNC
ASM-MN-214/115/BNC	6090310000	$	978.00	14-SLOT CHASSIS FOR SHORT-RANGE MODEMS, 115 VAC, BNC CONNECTORS
ASM-MN-214/115/RJ	6090270000	$	834.00	14-SLOT RACK FOR SHORT-RANGE MODEMS, 115 VAC, RJ-45 CONNECTOR
ASM-MN-214/230	6090010000	$	1,121.00	14-SLOT RACK FOR SHORT-RANGE MODEMS, 230 VAC
ASM-MN-214/230/230	6090060000	$	1,495.00	14-SLOT RACK FOR SHORT-RANGE MODEMS, 2X230 VAC FOR REDUNDANCY
ASM-MN-214/230/230/BNC	6090190000	$	1,696.00	14-SLOT RACK FOR SHORT-RANGE MODEMS, 2X230 VAC FOR REDUNDANCY, 10BASE2 BRIDGE BNC
ASM-MN-214/230/230/RJ	6090350000	$	1,495.00	14-SLOT RACK FOR SHORT-RANGE MODEMS, 2X230 VAC FOR REDUNDANCY, RJ-45 CONNECTOR
ASM-MN-214/24	6090260000	$	1,926.00	14-SLOT RACK FOR SHORT-RANGE MODEMS, -24 VDC
ASM-MN-214/24/24	6090330000	$	3,278.00	14-SLOT RACK FOR SHORT-RANGE MODEMS, 2X-24 VDC FOR REDUNDANCY
ASM-MN-214/48	6090030000	$	1,668.00	14-SLOT CHASSIS FOR SHORT-RANGE MODEMS, ¿48 VDC
ASM-MN-214/48/48	6090140000	$	2,789.00	14-SLOT CHASSIS FOR SHORT-RANGE MODEMS, REDUNDANT ¿48 VDC POWER SUPPLIES
ASM-MN-214/48/48/BNC	6090160000	$	2,789.00	14-SLOT RACK FOR SHORT-RANGE MODEMS, 2X-48 VDC FOR REDUNDANCY, 10BASE2 BRIDGE BNC
ASM-MN-214/48/48/RJ	6090220000	$	2,789.00	14-SLOT RACK FOR SHORT-RANGE MODEMS, 2X-48 VDC FOR REDUNDANCY, RJ-45 CONNECTOR
ASM-MN-214/48/BNC	6090280000	$	1,668.00	14-SLOT RACK FOR SHORT-RANGE MODEMS, -48 VDC, 10BASE2 BRIDGE BNC
ASM-MN-214/48/RJ	6090420000	$	1,668.00	14-SLOT CHASSIS FOR SHORT-RANGE MODEMS, 48 VDC, RJ-45 CONNECTOR
ASM-MN-214/PS/24	6090210000	$	1,380.00	POWER SUPPLY OF 24VDC TO ASM-MN-214
ASM-MN-214-BP	6090170000	$	12.00	14-SLOT CARD RACK FOR SHORT-RANGE MODEMS
BE-1/F	2710000000	$	55.00	COAX TO TWISTED PAIR CONVERTER FOR E1, 75/120 OHM, 2 MBPS
BE-1/M	2710010000	$	55.00	COAX TO TWISTED PAIR CONVERTER FOR E1, 75/120 OHM, 2 MBPS
CAPACITY/P1025/AIRMUX-400LC/10M-25M	6680250000	$	315.00	SOFTWARE LICENSE KEY FOR CAPACITY UPGRADE OF AIRMUX-400LC PRODUCT FROM 10MBPS TO 25MBPS

CAPACITY/S5000/AIRMUX-5000/SU/50M-100M	6491310000	$	315.00	AIRMUX-5000 SU LICENSE CAPACITY KEY FROM 50MBPS TO 100MBPS
CBL-1023-BNC	9514580000	$	52.00	9 INCH MINIBNC-BNC CABLE FOR THE MIRIC (SUPPLIED WITH THE DEVICE WHEN PURCHASED)
CBL-36T/21C	2501300000	$	95.00	INTERFACE CONVERTER, V.36 DTE/X.21 DCE
CBL-3X-SCSI68-M/2X-TELCO50-M	000DAT0039	$	279.00	3 - 68 PIN SCSI MALE TO 2 50 PIN TELCO MALE 57 INCH (RAD-094)
CBL-530/449/F	2500070000	$	95.00	CABLE INTERFACE CONVERTER, RS-530 TO RS-449/V
CBL-530/449/M	2500080000	$	95.00	CABLE INTERFACE CONVERTER, RS-530 TO RS-449/V
CBL-530/449/UCI	0000000000	$	53.00	DB25M TO DB36M CABLE TO BE USED W/ UCI-M/530
CBL-530T/21C/F	2500120000	$	95.00	CABLE INTERFACE CONV., RS-530 DTE TO X21 DCE
CBL-530T/21C/M	2500110000	$	95.00	CABLE INTERFACE CONV., RS-530 DTE TO X.21 DCE
CBL-530T/V35/F	2500290000	$	95.00	CABLE INTERFACE CONV., RS-530 DTE TO V35 DCE
CBL-530T/V35M	2500320000	$	95.00	CABLE INTERFACE CONV., RS-530 DTE TO V35 DCE
CBL-8H/F	5010510000	$	38.00	CABLE WITH MALE 25-PIN TO FEMALE 34-PIN(V.35)
CBL-AC-US-POWER	0000000000	$	10.00	AC US POWER CORD
CBL-AIRMUX-UTP/100	1990720000	$	217.00	AIRMUX CAT5E, ODU-IDU CABLE, 100M, ASSEMBLED W/RJ45 CONNECTORS
CBL-AIRMUX-UTP/25	1930270000	$	75.00	AIRMUX CAT5E, ODU-IDU CABLE, 25M, ASSEMBLED W/RJ45 CONNECTORS
CBL-AIRMUX-UTP/5	5260890000	$	63.00	AIRMUX CAT5E, ODU-IDU CABLE, 5M, ASSEMBLED W/RJ45 CONNECTORS
CBL-AIRMUX-UTP/50	1990730000	$	125.00	AIRMUX CAT5E, ODU-IDU CABLE, 50M, ASSEMBLED W/RJ45 CONNECTORS
CBL-AIRMUX-UTP/75	1990640000	$	170.00	AIRMUX CAT5E, ODU-IDU CABLE, 75M, ASSEMBLED W/RJ45 CONNECTORS
CBL-ASMI52/CQ/T1/LS	0000000000	$	44.00	LINE SPLITTER CABLE FOR ASMI-52 QUAD CARD (RAD-078)
CBL-ASMI52/CQ/T1/LS/M	0000000000	$	44.00	LINE SPLITTER CABLE FOR ASMI-52 QUAD CARD - RJ45 MALE (RAD-078M)
CBL-ASMI52/CQ/T1/RJ11/RJ45/CRS	0000000000	$	25.00	T1 RJ 11 TO RJ45 CROSSOVER CABLE 6 FT (RAD-077)
CBL-ASMI52/CQ/T1/RJ11/RJ45/STR	0000000000	$	25.00	CABLE FOR ASMI-52 QUAD CARD, (RAD-076) RJ45 TO RJ11 STRAIGHT THROUGH 6 FT
CBL-ASMI52/CQ/T1/RJ11/RJ45/STR/M	0000000000	$	25.00	CABLE FOR ASMI-52 QUAD CARD, (RAD-076M) RJ45M TO RJ11 STRAIGHT THROUGH 6 FT
CBL-ASMI-54-SHDSL-6FT	0000000000	$	14.00	ASMI-54 CABLE
CBL-BNC/BNC	0000000000	$	32.00	CABLE 9' BNC MALE-BNC MALE 75OHM
CBL-BNC-BNC/M-M/40FT	0000000000	$	50.00	CABLE BNC MALE TO BNC MALE, 40 FEET
CBL-CD/F	2210010000	$	29.00	CABLE Y 25PIN FEMALE FOR MP-HS-R MODULE
CBL-CQ-V35/F	2503040000	$	110.00	1 SCSI-68 TO 4 FEMALE V35 CABLE
CBL-D4SL-STUC	2504270000	$	89.00	ADAPTOR CABLE FOR CENTRAL SITE D4SL MODULE, DB-25 TO 4 RJ-45 BALANCED CONNECTORS
CBL-D8HS-RS530	2503350000	$	253.00	D8HS 2.5M CABLE, LFH-200 TO 8 RS-530
CBL-D8HS-V35	2503330000	$	253.00	SPLITTER CABLE, 200-PIN D8HS CONNECTOR TO 8 34-PIN V.35 CONNECTORS, MALE
CBL-D8HS-V35/F	1380130000	$	253.00	SPLITTER CABLE, 200-PIN D8HS CONNECTOR TO 8 34-PIN V.35 CONNECTORS, FEMALE
CBL-D8T1-RJ45-X	2501870000	$	114.00	2.5 M DB25 - 8XRJ45 FOR DXC 8E1 MODULE
CBL-D8U-RJ45-X	2501070000	$	114.00	DB25 - 8XRJ45 FOR DXC D8U MODULE
CBL-DB25/DB25/M-F	0000000000	$	66.00	CABLE - DB25 MALE TO DB25 FEMALE
CBL-DB25/DB25/M-M	0000000000	$	66.00	CABLE DB25M-DB25M STRAIGHT THRU FOR WEBRANGER/FCD
CBL-DB25/DB25/M-M/3FT	0000000000	$	51.00	CABLE DB25M-DB25M STRT SHLD 3 FOOT
CBL-DB25F-DB25F/Y-3FT	000DAT0021	$	79.00	SINGLE DB25 FEMALE, TWO DB25 FEMALE Y CABLE, 3 FT
CBL-DB25M-2X-RJ45	000DAT0041	$	38.00	DB25M TO 2 RJ45 CONNECTORS 1.5 METER (RAD-116)
CBL-DB26-8SHDSL	5250050000	$	108.00	ADAPTOR CABLE, DB-26 TO SHDSL FOR ASMI-54C
CBL-DB26M-4SHDSL	000DAT0006	$	75.00	DB26 MALE TO 4 RJ45 NON-SHIELDED CONNECTORS 6FT
CBL-DB9/9-EYN250	2502710000	$	32.00	TERMINAL CABLE FOR OP-T3
CBL-DB9/DB25	0000000000	$	18.00	CABLE 6' DB9-DB25 CONSOLE CABLE
CBL-DB9/DB25/M-M	0000000000	$	35.00	DB9 TO DB25 CABLE, 6 FT, MALE TO MALE
CBL-DB9/DB25/XOVER	0000000000	$	60.00	DB9 TO DB25 CROSSOVER CABLE W/PLASTIC HOODS (FOR MAINT MODEM)
CBL-DB9/DB9/NULL	2501060000	$	45.00	ACE-2002 CONTROL CABLE
CBL-DB9F-DB9M-STR	2504020000	$	25.00	CBL-DB9 FEMALE TO DB9 MALE STRAIGHT THROUGH
CBL-DC-3WL/F	2501780000	$	41.00	DC POWER SUPPLY CORD FOR ACE-101, ACE-2002, IPMUX-4/16, ACE-50
CBL-DV-MUX/232	5010560000	$	95.00	DVMUX CABLE, RS232
CBL-DV-MUX/V35	5010570000	$	95.00	DVMUX CABLE, RS232
CBL-DXC-ST/FAN	0000000000	$	39.00	CABLE FOR REDUNDANT STATION CLOCK & FAN TRAY FOR DXC
CBL-DXC-ST/FAN-STUB-2	0000000000	$	619.00	FAN TRAY ALARM Y CABLE CONN TO REDUNDANT CL SHIELDED STATION CLOCK CABLE 200 FT
CBL-DXC-ST/FAN-STUB-4	0000000000	$	1,195.00	FAN TRAY ALARM Y CABLE CONN TO REDUNDANT CL CARDS, SHEILDED STATION CLOCK CABLE 400 FT
CBL-ETH/UTP/CROSS	2500590000	$	18.00	ETHERNET CROSS CABLE - RJ45
CBL-ETH/UTP/STR	2500580000	$	18.00	ETHERNET STRAIGHT CABLE - RJ45
CBL-ETH/UTP/STR/10METER	2501750000	$	32.00	ETHERNET STRAIGHT CABLE - RJ45 10 METER
CBL-ETH/UTP/STR/1METER	2501380000	$	18.00	ETHERNET STRAIGHT CABLE - RJ45 1 METER
CBL-ETH-STR	0000000000	$	16.00	CABLE - RJ45/RJ45-1151 (PVC) 6 FT
CBL-FIB/MM/ST/SC	0000000000	$	66.00	10 FT. PLENUM FIBER CABLE MULTI MODE ST/SC
CBL-FLM3/50P-12RS232	0000000000	$	280.00	CABLE 50 PIN TELCO TO 12 DB25 FOR FLM-3 ; AMPHENOL 57-30500
CBL-FO/MM/FC-FC	0000000000	$	103.00	FIBER OPTIC CABLE, PVC DUPLEX MULTIMODE FC TO FC
CBL-FO/MM/LC-LC	0000000000	$	96.00	FIBER OPTIC CABLE, MULTIMODE, LC-LC, 6 FEET
CBL-FO/MM/SC-SC	0000000000	$	95.00	FIBER OPTIC CABLE PVC DUPLEX MULTIMODE SC TO SC - LENGTH-6 FT
CBL-FO/MM/ST-ST	0000000000	$	79.00	FIBER OPTIC CABLE, PVC DUPLEX MULTIMODE ST TO ST
CBL-FO/SM/FC-FC	0000000000	$	150.00	FIBER OPTIC CABLE, SINGLE MODE, FC TO FC
CBL-FO/SM/LC-LC	0000000000	$	104.00	FIBER OPTIC CABLE, SINGLE MODE, LC TO LC
CBL-FO/SM/LC-SC/1M	0000000000	$	70.00	FIBER OPTIC CABLE SINGLE MODE 3 FEET (1 METER); 2 STRANDS; LC MALE TO SC MALE
CBL-FO/SM/SC-APC	0000000000	$	53.00	FIBER OPTIC CABLE, SINGLEMODE, SC-APC, 6 FT

CBL-FO/SM/SC-SC	0000000000	$	143.00	FIBER OPTIC 6 FT CABLE, SINGLE MODE, SC TO SC
CBL-FO/SM/ST-ST	0000000000	$	146.00	FIBER OPTIC CABLE, SINGLE MODE, ST TO ST
CBL-FOSTFC/SM	0000000000	$	65.00	FIBER OPTIC CABLE ST TO FC SINGLE MODE
CBL-FOSTSC	0000000000	$	77.00	CABLE SM FIBER ST-SC CONN 6'
CBL-G703/8/Y/OPEN/20M	000DAT0024	$	343.00	G703/8 Y CABLE TO OPEN END 20M
CBL-G703/8/Y/OPEN/20M/TXRX	000DAT0035	$	532.00	G703/8 Y CABLE TO OPEN END 20M -TRANSMIT AND RECEIVE PAIRS IN SEPARATE CABLE JACKETS
CBL-G703/8/Y/OPEN/30M	000DAT0031	$	350.00	G703/8 Y CABLE TO OPEN END 30M
CBL-G703/8/Y/OPEN/30M/TXRX	000DAT0036	$	670.00	G703/8 Y CABLE TO OPEN END 30M -TRANSMIT AND RECEIVE PAIRS IN SEPARATE CABLE JACKETS
CBL-G703/8/Y/OPEN/3M/TXRX	000DAT0034	$	299.00	G703/8 Y CABLE TO OPEN END 3M -TRANSMIT AND RECEIVE PAIRS IN SEPARATE CABLE JACKETS
CBL-G703-14/OPEN	2503720000	$	154.00	FCD-155 DB62, OPEN ENDED, 120OHM, 2M
CBL-G703-14/OPEN/15M	000DAT0032	$	259.00	CABLE
CBL-G703-14/OPEN/30M	000DAT0017	$	431.00	CONNECTOR CABLE, GMUX-2000 E1/T1 MODULES TO, OPEN, 30M
CBL-G703-14/PATCH	000DAT0020	$	238.00	FCD-155 DB62 TO TELCO, 120OHM CABLE
CBL-G703-14/RJ45	2504060000	$	215.00	FCD-155 DB62 TO 14XRJ45, 120OHM CABLE, 2M
CBL-G703-28/COAX	2504140000	$	1,214.00	CBL-G703-28/COAX (THIS COMES IN AS TWO CBL-G703-14/COAX CABLES)
CBL-G703-8/COAX	2503490000	$	633.00	ADAPTOR CABLE, 1 DB-44 TO 8 RJ-45 BALANCED , COAX INTERFACE
CBL-G703-8/OPEN	2504340000	$	108.00	ADAPTOR CABLE, 1 DB-44 TO 8 RJ-45 BALANCED , OPEN
CBL-G703-8/OPEN/10M	000DAT0011	$	152.00	DB44 MALE TO OPEN END CABLE ASSEMBLY
CBL-G703-8/OPEN/10M/16PR	000DAT0044	$	190.00	DB44 MALE TO OPEN END 10M 16PR
CBL-G703-8/OPEN/20M	000DAT0012	$	297.00	CABLE, 1 X DB-44 CONNECTOR TO OPEN END, 20M
CBL-G703-8/OPEN/2M/16PR	000DAT0045	$	88.00	DB44 MALE TO OPEN END 2M 16PR
CBL-G703-8/OPEN/30M	000DAT0030	$	371.00	CABLE, 1 X DB-44 CONNECTOR TO OPEN END, 30M
CBL-G703-8/OPEN/8M	2503650000	$	282.00	CABLE, 1 DB-44 CONNECTOR TO OPEN, 8M
CBL-G703-8/RJ45/1.5M	000DAT0040	$	118.00	44 PIN MALE TO 8 RJ45 CONN WITH BOOTS 1.5 METER
CBL-G703-8/RJ45/2.5M	2504480000	$	289.00	ADAPTOR CABLE, 1 DB-44 TO 8 RJ-45 BALANCED , RJ-45, 2.5M
CBL-G703-8/RJ45/50	000DAT0010	$	437.00	ADAPTOR CABLE, 1 DB-44 TO 8 RJ-45 BALANCED, 50 FEET
CBL-G703-8/RJ45/ST	2503730000	$	342.00	ADAPTOR CABLE, 1 DB-44 TO 8 RJ-45 BALANCED , RJ-45, STATION CLOCK
CBL-G703-8/RJ45/Y/2M	000DAT0028	$	397.00	ADAPTOR CABLE, 2 DB-44 TO 8 RJ-45 BALANCED , RJ-45, Y CABLE, 2M
CBL-G703-8/RJ45-X	2504030000	$	342.00	ADAPTOR CABLE, 1 DB-44 TO 8 RJ-45 BALANCED , RJ-45, CROSS-CABLE
CBL-GIGE-RJ45/RJ45-STR	0000000000	$	16.00	RJ45 TO RJ45 STRAIGHT THRU CABLE 6 FT
CBL-HBT/530	2500260000	$	95.00	CABLE WITH MALE RS530 TO MALE RS530 CONNECTOR
CBL-HBT/V24	2500430000	$	51.00	CABLE WITH MALE V.24 TO MALE V.24 CONNECTOR
CBL-HBT/V35/M-M	2500090000	$	95.00	CABLE WITH MALE V.35 TO MALE V.35 CONNECTOR
CBL-HBT/X21	2500350000	$	95.00	CABLE WITH MALE X21 TO MALE X21 CONNECTOR
CBL-HS1/530/CROSS	2502260000	$	89.00	RS-530 CROSS CABLE
CBL-HS2/V/1/F	5010150000	$	58.00	MP-2000 CABLE FOR HS2 MODULE, V.35F, MODE 1
CBL-HS2/V/1/M/12	0000000000	$	119.00	MP-2000 12 FT CABLE FOR HS2 MODULE, V.35M, MODE 1
CBL-HS2/V/1/M/15	0000000000	$	133.00	MP-2000 15 FT CABLE FOR HS2 MODULE, V.35M, MODE 1
CBL-HS2/V/1/M/6	0000000000	$	92.00	MP-2000 6 FT CABLE FOR HS2 MODULE, V.35M, MODE 1
CBL-HS2/X/1/F	5010450000	$	51.00	MP-2000 CABLE FOR HS2 MODULE, X.21, MODE 1
CBL-HS2/X/1/M	5010580000	$	51.00	MP-2000 CABLE FOR HS2 MODULE, X.21, MODE 1
CBL-HS2/X/2/M	5010250000	$	51.00	HS DB25 CROSS CABLE TO X21 - M
CBL-HS2R1	5010100000	$	51.00	MP2000 CABLE FOR HS2 , RS-422 MODE 1, MALE
CBL-HS2R1/F	5010740000	$	51.00	MP2000 CABLE FOR HS2 , RS-422 MODE 1, FEMALE
CBL-HS2R2	5010080000	$	51.00	MP-2000 CABLE FOR HS2 , RS-422 MODE 2, MALE
CBL-HS2V1	5010160000	$	58.00	MP-2000 CABLE FOR HS2 MODULE, V.35M, MODE 1
CBL-HS2V2	5010140000	$	51.00	MP-2000 CABLE FOR HS2 MODULE, V.35M, MODE 2
CBL-HS2V2/F	5010130000	$	51.00	MP-2000 CABLE FOR HS2 MODULE, V.35F, MODE 2
CBL-HS2V3	5010120000	$	51.00	MP-2000 CABLE FOR HS2 MODULE, V.35M, MODE 3
CBL-HS2V3/F	5010110000	$	51.00	MP-2000 CABLE FOR HS2 MODULE, V.35F, MODE 3
CBL-HSR/F	5010760000	$	51.00	1 TO 2 DB25 CONNECTOR SPLITER CABLE
CBL-HSR/M	5010750000	$	51.00	1 TO 2 DB25 CONNECTOR SPLITER CABLE
CBL-HSS/100	1993490000	$	232.00	HUB SITE SYNCHRONIZATION (HSS) CABLE, 100M, ASSEMBLED W/RJ45 CONNECTORS
CBL-HSS/15	1993470000	$	71.00	HUB SITE SYNCHRONIZATION (HSS) CABLE, 15M, ASSEMBLED W/RJ45 CONNECTORS
CBL-HSS/5	1993460000	$	50.00	HUB SITE SYNCHRONIZATION (HSS) CABLE, 5M, ASSEMBLED W/RJ45 CONNECTORS
CBL-HSS/50	1993480000	$	181.00	HUB SITE SYNCHRONIZATION (HSS) CABLE, 50M, ASSEMBLED W/RJ45 CONNECTORS
CBL-HSSI/15FT	0000000000	$	132.00	HSSI MALE - MALE 50 PIN CABLE 15 FT
CBL-HSSI/50FT	0000000000	$	220.00	HSSI MALE - MALE 50 PIN CABLE 50 FT
CBL-HS-U-12	2501820000	$	127.00	MP-2100, OCTOPUS CBL FOR HSU12, RJ45, MALE
CBL-HSU6	2502340000	$	101.00	MP-2100, OCTOPUS CBL FOR HSU6, RJ45, MALE
CBL-IDC/DB9/8FT	0000000000	$	41.00	CABLE IBM TYPE1 CONN TO DB9/M
CBL-IL-POWER	000DAT0018	$	8.00	POWER CORD, ISRAEL PLUG
CBL-ISDN-S/RJ45/STR	0000000000	$	17.00	8 FT. STRAIGHT-THRU CABLE FOR ISDN CONNECTION AT THE NT INTERFACE (PHONE)
CBL-KM20/V35/M	0000000000	$	62.00	CABLE ASSEMBLY KM-20 DB15PIN F TO 34PIN WINCHESTER M
CBL-KM-22/V35	0000000000	$	44.00	ADAPTER CABLE FOR DVMUX
CBL-KM-DTE2/HS2	0000000000	$	75.00	CABLE
CBL-KM-DTE2/KLS.1	0000000000	$	44.00	DTE2 CABLE
CBL-KVF6/8-DL	2501320000	$	58.00	DL CABLE FOR KM MODULE KVF.6/8

CBL-KVF8/E&M	000DAT0002	$	176.00	VC16 OCTUPUS CABLE 3 FT BASE, 3 FT LEGS 6 FT OVERALL LENGHT.
CBL-KVF8/E&M/20	0000000000	$	259.00	E&M MODULE CABLE, 20 FT - DADP/RAD-113
CBL-KVF8/E&M/4METERS	2503380000	$	430.00	ADAPTOR CABLE, 68-PIN SCSI TO 8 RJ-45, E&M CONNECTOR, 4M
CBL-KVF8/E&M/OPEN	2504560000	$	254.00	68 PIN SCSI TO 8 X RJ45 CABLE, E&M, OPEN
CBL-KVF8/E&M/OPEN/10METER	2504550000	$	529.00	68 PIN SCSI TO 8 X RJ45 CABLE, E&M, OPEN, 10M
CBL-KVF8/E&M/OPEN/12M	2502010000	$	667.00	ADAPTOR CABLE, 68-PIN SCSI TO 8 RJ-45, E&M CONNECTOR, OPEN, 12M
CBL-KVF8/E&M/OPEN/25METER	2503460000	$	908.00	ADAPTOR CABLE, 68-PIN SCSI TO 8 RJ-45, E&M CONNECTOR, OPEN, 25M
CBL-KVF8/FXOS	2501080000	$	127.00	ADAPTOR CABLE, 68-PIN SCSI TO 8 RJ-45, FXO/FXS
CBL-LC/FC-SM-X8/DUPLEX/10FT	000DAT0034	$	543.00	(RAD-099) LC-FC, SM, X 8 PAIR DUPLEX FIBER, UPC POLISHED, 10 FT
CBL-LRSI25/DB25/UB/M	2503020000	$	190.00	ONE DB-25 TO TWO MALE BNC COAX CONNECTORS FOR DUAL
CBL-LS12/F	5010850000	$	361.00	OCTOPUS CABLE, SPLITS 68-PIN SCSI, FEMALE
CBL-LS12/F/R2	000DAT0009	$	200.00	OCTOPUS CABLE FOR MP-2100M-LS12 (NEED 2 PCS) OR MP-2100M-LS6N (FEMALE)
CBL-LS12/M	5010860000	$	361.00	OCTOPUS CABLE, SPLITS 68-PIN SCSI, MALE
CBL-LS12/M/R2	000DAT0008	$	200.00	OCTOPUS CABLE FOR MP-2100M-LS12 (NEED 2 PCS) OR MP-2100M-LS6N (MALE)
CBL-LS6-VF/E&M	5010610000	$	95.00	MP-2000M-LS6 2 VOICE CHANNEL CABLE, E&M
CBL-LS6-VF/S-O	5010620000	$	95.00	MP-2000M-LS6 2 VOICE CHANNEL CABLE, FXS FX0
CBL-MINIBNC-BNC	2500730000	$	23.00	1 METER CABLE, MINI BNC-BNC
CBL-MINIBNC-BNC/15FT	2502700000	$	58.00	MINI BNC TO BNC CABLE 5 METERS
CBL-MINIBNC-BNC/2.5METER	2503100000	$	58.00	MINI BNC TO BNC CABLE 2.5 METER
CBL-MINIBNC-BNC-30	0000000000	$	102.23	CABLE MINIBNC BNC 30 FT
CBL-MINIBNC-MINIBNC	0000000000	$	93.00	CABLE - MINI BNC TO MINI BNC
CBL-MINIBNC-MINIBNC/30	0000000000	$	118.00	CABLE MINIBNC TO MINIBNC 30 FEET
CBL-MP-21	5010200000	$	51.00	MP-2000 SYSTEM CABLE, Y CABLE FOR MAIN LINK
CBL-MP-23	5010240000	$	51.00	MP-2000 SYSTEM CABLE, SP CROSS CABLE
CBL-MP-24	5010260000	$	51.00	MP-2000 SYSTEM CABLE, MAIN LINK
CBL-MP-25	5010230000	$	51.00	MP-2000 SP CABLE
CBL-MP-26	5010320000	$	51.00	MP-2000 SYSTEM CABLE, V.35 TEST CABLE
CBL-MP-28	5010340000	$	25.00	MP-2000 SYSTEM CABLE, MAIN LINK COAX
CBL-MP-4104/AR/OPEN/2M	7410460000	$	72.00	MP-4104 ALARM RELAY CABLE, ALARM RELAY, OPEN, 2M
CBL-MP-RJ45/CROSS	2500520000	$	18.00	CABLE FOR CONNECTING 2 MP-2100 MAIN LINK
CBL-MP-RJ45/CROSS/1FT	000DAX0001	$	20.00	T1 RJ48 TO RJ48 PVC CROSSOVER CABLE
CBL-MUSB-DB9F	2504470000	$	13.00	ADAPTOR CABLE, MINI-USB TO DB-9 FEMALE
CBL-OP-45	2504100000	$	9.00	CABLE FOR THE OP-45. CLOCK MONITORING.
CBL-OP-4E1C/RJ45	2501740000	$	76.00	4X RJ45 CABLE FOR OPTIMUX 4E1 CARD
CBL-OP-4T1C/RJ45/S	0000000000	$	127.00	CBL FOR OP-4T1 CARD - SHIELDED RJ45 RAD-028
CBL-OP-T3L-AMP	0000000000	$	303.00	64 PIN TELCO TO 28 RJ45 CABLE FOR OP-T3L - NEED 2 PER UNIT
CBL-RINGER-1	5010430000	$	51.00	CABLE FOR RINGER-2000
CBL-RINGER-1/TB	2503290000	$	51.00	CABLE FOR RINGER 2100 WITH TB + DIM CONNECTORS
CBL-RINGER-2	5010440000	$	86.00	CABLE FOR RINGER-2000
CBL-RINGER2200N-1/TB	2503570000	$	25.00	CABLE FOR RINGER 2200N WITH TB TO TB CONNECTORS
CBL-RINGER-4	5010410000	$	97.00	SPLITTER CABLE FOR RINGER-2000
CBL-RINGER-6	5010550000	$	114.00	SPLITTER CABLE FOR RINGER-2000
CBL-RINGER-LNG	5010420000	$	51.00	6 FT CABLE FOR RINGER-2000
CBL-RJ45/2BNC	2502550000	$	18.00	CABLE RJ45 TO BNC
CBL-RJ45/2BNC/E1	2503010000	$	18.00	CABLE RJ45 CONNECTOR 2 BNC CONN / E1
CBL-RJ45/2BNC/E1/X	2503320000	$	18.00	RJ-45 TO COAX CONVERSION CABLE
CBL-RJ45/D25/F/STR	2500160000	$	18.00	CABLE WITH FEMALE 25-PIN TO RJ-45, STRAIGHT
CBL-RJ45/D25/F/STR/16FT	000DAT0016	$	28.00	CABLE RJ45 TO DB25 FEMALE STRAIGHT 16 FT
CBL-RJ45/D9/F/STR	2500970000	$	18.00	CABLE RJ45 TO DB9 FEMALE, STRAIGHT, 2 FT
CBL-RJ45/DB15/F-X	0000000000	$	33.00	RJ45 TO DB15 FEMALE CROSSOVER CABLE
CBL-RJ45/DB25/M/CRS	2500180000	$	18.00	CABLE WITH MALE 25-PIN TO RJ-45, CROSS
CBL-RJ45/DB9/M/STR	2500710000	$	18.00	CABLE RJ45 TO DB9 MALE, STRAIGHT
CBL-RJ45/DB9/NULL	2501200000	$	35.00	CABLE RJ45 TO DB9 NULL
CBL-RJ45/RAS/M	0000000000	$	18.00	CABLE FOR MBE-TRE/RAS 10F
CBL-RJ45/RJ45-S	0000000000	$	14.00	CABLE RJ45 TO RJ45 STRAIGHT
CBL-RJ45/RJ45-X	0000000000	$	14.00	CABLE RJ-45 TO RJ-45 CROSS
CBL-RJ45/STM/PACKET	0000000000	$	18.00	CABLE STM & PACKET SUB CHANNNEL RJ45 TO DB25 MALE ADAPTER
CBL-RJ45/TB 10FT	0000000000	$	14.00	RJ45 ONE END WIRES OTHER END FOR TELCO PUNCH DOWN BLOCK
CBL-RJ45-DB15/F	0000000000	$	28.00	CABLE RJ45-DB15 FEMALE STRAIGHT
CBL-RJ45-DB15/M	0000000000	$	28.00	CABLE RJ45 TO DB15 MALE STRAIGHT; FOR MP2000; DXC
CBL-RJ45-DB15/M-X	0000000000	$	33.00	CABLE T1 RJ45 TO DB15 MALE CROSS
CBL-RJ45-DB9/F	2500950000	$	20.00	CABLE RJ45 TO DB9 FEMALE
CBL-RJ45-Y/CR	0000000000	$	44.00	RJ45 T1 "Y" CABLE - CROSSOVER 6 FT
CBL-RJ45-Y/STR	0000000000	$	44.00	RJ45 T1 "Y" CABLE - STRAIGHT 6 FT.
CBL-RS232/M-M/15FT	0000000000	$	33.00	DSU CONNECTION STRAIGHT THROUTH CABLE MALE/MALE 15FT
CBL-SCS26/530/F	2502050000	$	89.00	CABLE FROM SCSI-26 PIN TO 25-PIN FEMAL,RS-530
CBL-SCS26/530/M	2502040000	$	89.00	CABLE FROM SCSI-26 PIN TO 25-PIN MALE, RS-530
CBL-SCS26/V24/F	2502110000	$	89.00	CABLE FROM SCSI-26 PIN TO 25-PIN FEMALE

CBL-SCS26/V24/M	2502100000	$	89.00	CABLE FROM SCSI-26 PIN TO 25-PIN MALE
CBL-SCS26/V35/F	2502030000	$	89.00	CABLE FROM SCSI-26 PIN TO 34-PIN FEMALE
CBL-SCS26/V35/M	2502020000	$	89.00	CABLE FROM SCSI-26 PIN TO 34-PIN MALE
CBL-SCS26/V36/F	2502130000	$	89.00	CABLE FROM SCSI-26 PIN TO V.36, 37-PIN FEMALE
CBL-SCS26/V36/M	2502080000	$	89.00	CABLE FROM SCSI-26 PIN TO V.36, 37-PIN MALE
CBL-SCS26/X21/F	2502120000	$	89.00	CABLE FROM SCSI-26 PIN TO 25-PIN FEMALE
CBL-SCS26/X21/M	2502060000	$	89.00	CABLE FROM SCSI-26 PIN TO X.21 15-PIN MALE
CBL-SCS68/3/232/3M/F	7410180000	$	278.00	CABLE SCSI-68, 3 CHANNELS, RS-232 INTERFACE, 3M, FEMALE
CBL-SCS68/3/232/3M/M	7410220000	$	278.00	CABLE SCSI-68, 3 CHANNELS, RS-232 INTERFACE, 3M, MALE
CBL-SCS68/3/232/5M/M	7410340000	$	304.00	CABLE SCSI-68, 3 CHANNELS, RS-232 INTERFACE, 5M, MALE
CBL-SCS68/3/232/F	000DAT0022	$	191.00	CABEL SCS68 TO 3 X 232 FEMALE 2000 MM
CBL-SCS68/3/232/M	7410130000	$	278.00	CABLE SCSI-68, 3 CHANNELS, RS-232 INTERFACE, MALE
CBL-SCS68/3/530/3M/F	7410230000	$	339.00	CABLE SCSI-68, 3 CHANNELS, RS-530 INTERFACE, 3M, FEMALE
CBL-SCS68/3/530/3M/F	7410230000	$	339.00	CABLE SCSI-68, 3 CHANNELS, RS-530 INTERFACE, 3M, FEMALE
CBL-SCS68/3/530/3M/M	7410170000	$	316.00	CABLE SCSI-68, 3 CHANNELS, RS-530 INTERFACE, 3M, MALE
CBL-SCS68/3/530/5FT/M	000DAT0015	$	222.00	SCS68 TO 3 - DB25 MALE CONN / 5FT
CBL-SCS68/3/530/5M/F	000DAT0013	$	297.00	CABLE, SCS68, 3CH, RS530, 5 METER, FEMALE
CBL-SCS68/3/530/5M/M	000DAT0043	$	297.00	CABLE, SCS68, 3CH, RS530, 5 METER, MALE
CBL-SCS68/3/530/F	000DAT0023	$	228.00	CABEL SCS68 TO 3 X 530 FEMALE 2000 MM
CBL-SCS68/3/V35/F	7410090000	$	633.00	CABLE SCSI-68, 3 CHANNELS, V.35 INTERFACE, FEMALE
CBL-SCS68/3/V35/M	7410080000	$	633.00	CABLE SCSI-68, 3 CHANNELS, V.35 INTERFACE, MALE
CBL-SCS68/6CH/OPEN/SPA	000DAT0014	$	139.00	SCS68 - 3 PAIR / 6 CH OPEN FOR SPAWAR
CBL-SC-SC	0000000000	$	31.00	FIBER OPTIC CABLE SC TO SC COUPLING
CBL-SCSI-68/RJ71-50/15 FT	000DAT0004	$	164.00	68 PIN SCSI TO 50 PIN AMP 90 DEGREE, 15 FT
CBL-SCSI-68/RJ71-50/40FT	000DAT0003	$	268.00	68 PIN SCSI TO 50 PIN AMP 90 DEGREE 40 FT
CBL-SMA/M-N/TYPE/M/50OHM-25'	000DAT0005	$	169.00	SMA, MALE TO N-TYPE, MALE 50 OHM SOLID BLACK CABLE 25 FT
CBL-SMB-BNC/M	9506150000	$	25.00	SMB TO BNC ADAPTOR CABLE,1 METER
CBL-SP-9	2500510000	$	18.00	CABLE CONNECTING 9-PIN SUPER. PORT TO PC
CBL-SP-9/SH	2503770000	$	32.00	CONNECTOR CABLE, 9-PIN PORT TO PC, SHIELDED
CBL-SP-ABC	0000000000	$	85.00	MULTI-CONNECTIVITY SUPERVISORY/ CONTROL PORT CABLE
CBL-SPS-NET-V35/F	0000000000	$	44.00	SPS CABLE
CBL-T1/CROSS	0000000000	$	32.00	RJ48/RJ48 T1 PVC PATCH CABLE ASSEMBLY, 100 OHM WITH BOOTS 6 FT.
CBL-T1/CROSS/10FT	0000000000	$	20.00	T1 CROSS CABLE - 10 FT - T1-4848-XOVER-PV
CBL-T1/CROSS/25FT	0000000000	$	27.00	T1 CROSS CABLE - 25 FT T1-4848-XOVER-PV
CBL-T1/CROSS/2FT	0000000000	$	20.00	T1 CROSS CABLE 2 FEET - T1-4848-XOVER-PV
CBL-T1/LU/DEFINA	0000000000	$	58.00	T1 PVC SHIELDED CABLE FOR LUCENT DB15 FEMALE TO DB-15 MALE
CBL-T1/LU/DEFINB	0000000000	$	47.00	T1 PVC SHIELDED CABLE FOR LUCENT DB-15 FEMALE TO RJ-48 PLUG
CBL-T1/LU/DEFINC	0000000000	$	33.00	T1 CABLE FOR LUCENT TECHNOLOGIES
CBL-T1/LU/MERLIN	0000000000	$	37.00	T1 PVC SHIELDED (6 FOOT) CABLE FOR LUCENT DB-15 MALE TO RJ-48 PLUG
CBL-TELCO-50/STUB-84	000DAT0007	$	98.00	50 PIN TELCO TO NON-TERMINATED END 84 INCHES
CBL-TELCO50-24RJ12	3920170000	$	278.00	CABLE, TELCO 50 TO 24 RJ12 , 2M FOR VMUX-210
CBL-TELCO50-OPEN	3920150000	$	101.00	CABLE,TELCO 50 TO OPEN ENDED 2M FOR VMUX-210
CBL-TELCO-OPEN/10M	3720080000	$	152.00	CABLE TELCO 64 PIN AND OPEN ENDS. 10M.
CBL-TELCO-OPEN/20M	3720180000	$	466.00	CABLE
CBL-TELCO-OPEN/25M	3720090000	$	278.00	CABLE TELCO 64 PIN AND OPEN ENDS. 25M
CBL-TELCO-OPEN/2M	3720040000	$	51.00	TELCO ADAPTOR CABLE, 2 METERS, 64-PIN/OPEN-ENDED
CBL-TELCO-OPEN/30M	000DAT0019	$	515.00	ADAPTOR CABLE, TELCO TO OPEN END, 30M
CBL-TELCO-RJ45/16E1	3580270000	$	428.00	ADAPTOR CABLE, TELCO TO RJ-45, 16 E1 PORTS
CBL-TELCO-RJ45/2M	3720100000	$	380.00	ADAPTOR CABLE TELCO 64 PIN, 2 METERS
CBL-TELCO-TELCO/2M	3720050000	$	159.00	EXTENSION CABLE FOR BALANCED INTERFACE, 64 PIN TELCO, 2M
CBL-TELCO-TELCO/2M/U	3720070000	$	202.00	CABLE TELCO 64 PIN BOTH ENDS. 2M. UNBAL
CBL-TL-4/S	0000000000	$	33.00	DB9/M TO SINGLE IDC FOR RR-TL-4/S
CBL-V24/CROSS	2500190000	$	51.00	V.24 CROSS CABLE
CBL-V35/CROSS	2500250000	$	95.00	V.35 CROSS CABLE
CBL-V35/XOVR	0000000000	$	107.00	CABLE V35 CROSSOVER FOR KILOMUX / FCD 2 METERS/ 6FT
CBL-V35F/V35M	2500170000	$	95.00	CABLE WITH FEMALE V.35 TO MALE V.35, 1.5 M
CBL-V35M/V35M	2500270000	$	95.00	CABLE WITH MALE V.35 TO MALE V.35, 1.5 M
CBL-V35M/V35M/15FT	0000000000	$	94.00	CABLE V35 MALE TO V35 MALE 15FT
CBL-V35M/V35M/50FT	0000000000	$	139.00	CABLE V35 MALE TO V35 MALE 50FT
CBL-V35M/V35M/5FT	0000000000	$	83.00	CABLE V35 MALE TO V35 MALE 5FT
CBL-VC16	5010180000	$	127.00	50PIN TELCO TO 16 X RJ45
CBL-VC16/FXSO	2501760000	$	171.00	MP VC-16, FXS, FXO CABLE. TELCO 50/8RJ11
CBL-VC16A/RJ45	000DAT0033	$	202.00	RJ45 CABLE FOR VC-16 (DAT)
CBL-VC6A	0000000000	$	97.00	TC25M/4 DB25M OCTOPUS CABLE ASSEMBLY
CBL-VC8/FXSO	2501770000	$	127.00	ADAPTOR CABLE, 50-PIN TELCO TO 8 RJ-12, FXS/FXO
CBL-VM110/530/DTE	2503160000	$	51.00	SERIAL ADAPTOR CABLE FOR VMUX-110,530 TO 530,DTE
CBL-VM110/V35/DCE	2502870000	$	51.00	SERIAL ADAPTOR CABLE FOR VMUX-110,530 TO V35,DCE
CBL-VM110/V35/DTE	2502860000	$	51.00	SERIAL ADAPTOR CABLE FOR VMUX-110,530 TO V35,DTE

CBL-VM2100/530/DTE	2503180000	$	51.00	SERIAL ADAPTOR CABLE FOR VMUX-2100,530 TO 530 DTE
CBL-VMUX110/V35/DTE	0000000000	$	84.00	V35 CABLE FOR VMUX-110
CBL-VMUX-MM-MODEM	0000000000	$	44.00	CABLE - DB9 MALE TO DB25 MALE 6 FT
CBL-WBB-HSS/100	5260450000	$	207.00	HUB SITE SYNCHRONIZATION (HSS) CABLE, 100M, ASSEMBLED W/RJ45 CONNECTORS, FOR GE-MDS
CBL-WBB-HSS/15	5260460000	$	63.00	HUB SITE SYNCHRONIZATION (HSS) CABLE, 15M, ASSEMBLED W/RJ45 CONNECTORS, FOR GE-MDS
CBL-WBB-HSS/5	5260470000	$	45.00	HUB SITE SYNCHRONIZATION (HSS) CABLE, 5M, ASSEMBLED W/RJ45 CONNECTORS, FOR GE-MDS
CBL-WBB-HSS/50	5260480000	$	162.00	HUB SITE SYNCHRONIZATION (HSS) CABLE, 50M, ASSEMBLED W/RJ45 CONNECTORS, FOR GE-MDS
CBL-WBB-UTP/100	5260490000	$	207.00	CAT5, ODU-IDU CABLE, 100M, ASSEMBLED W/RJ45 CONNECTORS, FOR GE-MDS
CBL-WBB-UTP/25	5260500000	$	71.00	CAT5, ODU-IDU CABLE, 25M, ASSEMBLED W/RJ45 CONN, FOR GE-MDS
CBL-WBB-UTP/50	5260510000	$	119.00	CAT5, ODU-IDU CABLE, 50M, ASSEMBLED W/RJ45 CONNECTORS, FOR GE-MDS
CBL-WBB-UTP/75	5260520000	$	162.00	CAT5, ODU-IDU CABLE, 75M, ASSEMBLED W/RJ45 CONNECTORS, FOR GE-MDS
CD	2210000000	$	35.00	CABLE CHANNEL DOUBLER MALE CONNECTOR
CONVRTR-BNC/F-F	0000000000	$	6.00	BARRELL CONNECTOR, BNC FEMALE TO FEMALE
CONVRTR-DB25/F/F	0000000000	$	9.00	CHANGE MALE DB25 TO FEMALE
CONVRTR-DB25/M/M	0000000000	$	9.00	CHANGE FEMALE DB25 TO MALE
CONVRTR-DPLX/SM/LC-LC	000FIS0013	$	10.00	F18035 - DUPLEX SM, LC - LC CONVERTER
CONVRTR-DPLX/SM/LC-SC	000FIS0014	$	46.00	X3LYS1FISC CONVERTER DUPLEX CBL SM, F/LC - M/SC
CONVRTR-FC/SC	0000000000	$	71.00	FIBER OPTIC CONVERTER, FC MALE TO SC FEMALE
CONVRTR-FC/ST	0000000000	$	71.00	FIBER OPTIC CONVERTER FC MALE TO ST FEMALE
CONVRTR-MM/LC-FC	0000000000	$	50.00	FIBER OPTIC CONVERTER, MULTIMODE, LC MALE -FC FEMALE
CONVRTR-MM/LC-SC	0000000000	$	39.00	FIBER OPTIC CONVERTER, MULTIMODE, LC MALE -SC FEMALE
CONVRTR-MM/LC-ST	0000000000	$	36.00	FIBER OPTIC CONVERTER, MULTIMODE, LC MALE -ST FEMALE
CONVRTR-MM/SC-LC	0000000000	$	52.00	FIBER OPTIC CONVERTER, MULTIMODE, SC - MALE TO LC FEMALE DUPLEX
CONVRTR-MM-ST/SC	0000000000	$	58.00	FIBER OPTIC CONVERTER, MULTIMODE, SC MALE -ST FEMALE
CONVRTR-RJ45/F/F	0000000000	$	5.00	RJ45 GENDER CHANGER
CONVRTR-SC/FC	0000000000	$	71.00	FIBER OPTIC CONVERTER SC MALE TO FC FEMALE
CONVRTR-SC/ST	0000000000	$	71.00	FIBER OPTIC CONVERTER SC MALE TO ST FEMALE
CONVRTR-SM/LC-FC	0000000000	$	62.00	FIBER OPTIC CONVERTER, SINGLEMODE, LC MALE -FC FEMALE
CONVRTR-SM/LC-SC	0000000000	$	59.00	FIBER OPTIC CONVERTER, SINGLEMODE, LC MALE-SC FEMALE
CONVRTR-SM/LC-ST	0000000000	$	57.00	FIBER OPTIC CONVERTER, SINGLEMODE, LC MALE -ST FEMALE
CONVRTR-SM/LC-ST/M	0000000000	$	65.00	ST MALE TO LC FEMALE DUPLEX SINGLEMODE ADAPTER CABLE 6 " ST MALE TO LC MALE CALBE WITH LC M/F ADAPTER ON LC END TOM MAKE FEMALE
CONVRTR-SMA/FC	0000000000	$	97.00	SMA FEMALE TO FC MALE ADAPTER CABLE 1 FT
CONVRTR-SMA/SC	0000000000	$	97.00	SMA FEMALE TO SC MALE ADAPTER CABLE 1 FT
CONVRTR-SMA/ST	0000000000	$	97.00	SMA FEMALE TO ST MALE ADAPTER CABLE 1 FT
CONVRTR-SM-ST/SC	0000000000	$	58.00	FIBER OPTIC CONVERTER, SINGLEMODE, SC MALE -ST FEMALE
CONVRTR-ST/FC	0000000000	$	71.00	FIBER OPTIC CONVERTER ST MALE TO FC FEMALE
CONVRTR-ST/SC	0000000000	$	71.00	FIBER OPTIC CONVERTER ST MALE TO SC FEMALE - MULTIMODE
D28YM3FISC	000FIS0006	$	26.00	FIS CABLE
DB9-F/F	0000000000	$	10.00	SERIAL GENGER CHANGER DB9-F/F DB9 FEMALE -DB9 FEMALE
DC-DIN-CONNECTOR_T3261-000	1262150000	$	14.00	DC POWER CONNECTOR (DIN TYPE)
DS1642-150	1261620000	$	33.00	BATTERY FOR KCL.2 MODULE
DWDM-1M-8W-1C-2F	000PKT0050	$	3,281.00	PACKETLIGHT DWDM 8CH MUX/DMUX
DXC-10A-3/UTP/48	7700080000	$	2,710.00	1U CHASSIS WITH POWER SUPPLY, DCL.3, (NO I/O MODULES), 10BASET UTP ETHERNET MANAGEMENT PORT, -48 VDC
DXC-10A-3/UTP/AC	7700130000	$	2,710.00	1U CHASSIS WITH POWER SUPPLY, DCL.3, (NO I/O MODULES), 10BASET UTP ETHERNET MANAGEMENT PORT, 100-240 VAC
DXC-2/115	7710000000	$	1,898.00	T1/E1 CONVERTER AND TIMESLOT CROSS-CONNECT , 115 VAC
DXC-2/230	7710010000	$	2,561.00	T1/E1 CONVERTER AND TIMESLOT CROSS-CONNECT , 230 VAC
DXC-2/48	7710040000	$	1,898.00	T1/E1 CONVERTER AND TIMESLOT CROSS-CONNECT , -48 VDC
DXC-30-3/MN	7722530000	$	1,355.00	MULTISERVICE ACCESS NODE, 3U CHASSIS ONLY, NO POWER SUPPLY, NO CL
DXC-30-3/UTP/48	7722310000	$	3,696.00	MULTISERVICE ACCESS NODE CHASSIS, 3U, POWER SUPPLY, DCL.3 (NO I/O MODULES), 10BASET UTP ETHERNET MANAGEMENT PORT, -48 VDC
DXC-30-3/UTP/AC	7722220000	$	3,795.00	MULTISERVICE ACCESS NODE CHASSIS, 3U, POWER SUPPLY, DCL.3 (NO I/O MODULES), 10BASET UTP ETHERNET MANAGEMENT PORT, 100-240 VAC
DXC-30-3/UTP/R/48	7722100000	$	5,421.00	MULTISERVICE ACCESS NODE CHASSIS, 3U, POWER SUPPLY, DCL.3 (NO I/O MODULES), 10BASET UTP ETHERNET MANAGEMENT PORT, REDUNDANT POWER SUPPLY AND COMMON LOGIC, -48 VDC
DXC-30-3/UTP/R/48HP	7722990000	$	6,160.00	MULTISERVICE ACCESS NODE CHASSIS, 3U, POWER SUPPLY, DCL.3 (NO I/O MODULES), 10BASET UTP ETHERNET MANAGEMENT PORT, REDUNDANT POWER SUPPLY AND COMMON LOGIC, -48 VDC HIGH POWER POWER SUPPLY
DXC-30-3/UTP/R/AC	7722180000	$	6,160.00	MULTISERVICE ACCESS NODE CHASSIS, 3U, POWER SUPPLY, DCL.3 (NO I/O MODULES), 10BASET UTP ETHERNET MANAGEMENT PORT, REDUNDANT POWER SUPPLY AND COMMON LOGIC, 100-240 VAC
DXC-30-3-MN-HP	7723290000	$	1,355.00	MULTISERVICE ACCESS NODE, 3U CHASSIS FOR HIGH-POWER ONLY, NO POWER SUPPLY, NO CL
DXC-30M-CL.3/UTP	7720430000	$	1,626.00	MULTISERVICE ACCESS NODE, 6U CHASSIS, POWER SUPPLY, DCL.3 WITH ENHANCED CPU, 10BASET UTP ETHERNET MANAGEMENT PORT
DXC-30M-FT/48	7722170000	$	813.00	DXC-30 FAN TRAY, ¿48 VDC
DXC-30M-PS/48	7721110000	$	678.00	DXC-30 POWER SUPPLY MODULE, -48 VDC
DXC-30M-PS/48HP	7723130000	$	881.00	POWER SUPPLY MODULE FOR DXC-30, -48 VDC HIGH POWER
DXC-30M-PS/AC	7721100000	$	1,275.00	DXC-30 POWER SUPPLY MODULE, 100-240 VAC
DXC-4/4	3790010000	$	1,762.00	E1/T1 GROOMING DEVICE , 4 E1/T1 PORTS
DXC-4/4/R	3790020000	$	1,979.00	E1/T1 GROOMING DEVICE , 4 E1/T1 PORTS, REDUNDANT POWER SUPPLY
DXC-4/8	3790030000	$	2,168.00	E1/T1 GROOMING DEVICE , 8 E1/T1 PORTS
DXC-4/8/R	3790040000	$	2,385.00	E1/T1 GROOMING DEVICE , 8 E1/T1 PORTS, REDUNDANT POWER SUPPLY
DXC-8R-3/UTP/48	7730090000	$	4,817.00	MULTISERVICE ACCESS NODE, 1U REDUNDANT CHASSIS, 2 POWER SUPPLIES, 2 DCLS, 10BASET UTP ETHERNET MANAGEMENT PORT, -48 VDC
DXC-8R-3/UTP/AC	7730070000	$	4,608.00	MULTISERVICE ACCESS NODE, 1U REDUNDANT CHASSIS, 2 POWER SUPPLIES, 2 DCLS, 10BASET UTP ETHERNET MANAGEMENT PORT, 100-240 VAC

DXC-8RM-PS/48	7722470000	$	542.00	DXC-8R POWER SUPPLY MODULE, -48 VDC
DXC-BP-CL	7720330000	$	18.00	3U COMMON LOGIC BLANK PANEL COVER
DXC-BP-IO/1	7720340000	$	19.00	SLOT 1 BLANK PANEL COVER
DXC-BP-IO/2	7720350000	$	22.00	3U SLOT 2 BLANK PANEL COVER
DXC-BP-PS	7720410000	$	22.00	POWER SUPPLY BLANK PANEL COVER
DXC-M/4T1	7721830000	$	2,440.00	3U 4-PORT T1 MODULE, BERT, LTU, LOOPBACK PER TS, FRAMED AND UNFRAMED
DXC-M/8HS	7722710000	$	2,168.00	3U 8-PORT HIGH-SPEED MODULE
DXC-M/8T1	7721840000	$	3,659.00	3U 8-PORT T1 MODULE, BERT, LTU, LOOPBACK PER TS, FRAMED AND UNFRAMED
DXC-M/DIM/530	7720650000	$	1,220.00	3U 1-PORT INVERSE MULTIPLEXER MODULE, RS-530 INTERFACE
DXC-M/DIM/ETUB	7722280000	$	1,559.00	3U 1-PORT INVERSE MULTIPLEXER MODULE, 10/100 BASET ETH BRIDGE UTP CONNECTOR
DXC-M/E1B	7721340000	$	1,282.00	3U 2-PORT E1 MODULE
DXC-M/E1B/BP	7723100000	$	1,282.00	3U 2 PORT E1 MODULE,PORT BYPASS
DXC-M/E3	7721620000	$	4,575.00	3U 1-PORT E3 MODULE
DXC-M/HS/530	7722250000	$	678.00	3U 2-PORT HIGH-SPEED MODULE, RS-530 INTERFACE
DXC-M/HS/ETUB	7722230000	$	948.00	3U 2-PORT HIGH-SPEED MODULE, 10/100 BASET ETH BRIDGE UTP CONNECTOR
DXC-M/HS/V35	7722240000	$	678.00	3U 2-PORT HIGH-SPEED MODULE, V.35 INTERFACE
DXC-M/HS/X21	7722260000	$	915.00	3U 2-PORT HIGH-SPEED MODULE, X.21 INTERFACE
DXC-M/T1B/ST13L	7723060000	$	1,626.00	3U 2-PORT T1 MODULE, ST CONNECTOR, 1310 NM SINGLE MODE LASER
DXC-M/T3	7721630000	$	3,930.00	3U 1-PORT T3 MODULE
DXC-M-4E1	7720560000	$	1,722.00	3U 4-PORT E1 MODULE, BERT, LTU, LOOPBACK PER TS
DXC-M-4T1L	7723310000	$	1,220.00	3U 4-PORT T1 MODULE, BERT, LTU, LOOPBACK PER TS, FRAMED
DXC-M-8E1	7720480000	$	2,561.00	3U 8-PORT E1 MODULE, BERT, LTU, LOOPBACK PER TS
DXC-M-8SL-E1	7722320000	$	4,590.00	3U 8-PORT 2-WIRE OVER SHDSL MODULE
DXC-M-8T1L	7723320000	$	1,983.00	3U 8-PORT T1 MODULE, BERT, LTU, LOOPBACK PER TS, FRAMED
DXC-M-E3/ST/13L	7721730000	$	4,756.00	3U 1-PORT E3 MODULE, ST CONNECTOR, 1310 NM SINGLE MODE LASER
DXC-M-HS/V35	7722240000	$	708.00	3U 2-PORT HIGH-SPEED MODULE, V.35 INTERFACE
DXC-M-T1B/FC/13L	7723070000	$	1,626.00	3U 2-PORT T1 MODULE, FC CONNECTOR, 1310 NM SINGLE MODE LASER
EGATE-100/48/SFP1/SFP6/UTP/N3/FULL	4051280000	$	17,941.00	GBE TO CHANNELISED(STM1/T3) GATEWAY; NEBS COMPLY,-48 VDC POWER SUPPLY,SFP, MM, 1310NM, UP TO 2KM, LC, 100BASEFX OR STM1,SFP, SM, 1310NM, UP TO 10KM, LC, 1000BASE-LX10,GBE,1000BASET,RJ-45,NEBS3 COMPLIANT,63E1/84T1 LINKS ENABLED
EGATE-100/48R/2XSFP1/SFP5/SFP5/FULL	4050710000	$	18,241.00	CHANNELIZED ETHERNET GATEWAY WITH SFP SLOTS FOR STM-1/OC-3 INTERFACES, REDUNDANT -48 VDC POWER SUPPLY, 2 PLUGGABLE TRANSCEIVERS: FAST ETHERNET/STM 1, 1310 NM, MULTIMODE, LED, 2 KM (1.2 MI), PLUGGABLE TRANSCEIVER: GIGABIT ETHERNET, LC CONNECTOR, 850 NM 50/125 MULTIMODE, 1000BASESX, VCSEL, 550M, PLUGGABLE TRANSCEIVER: GIGABIT ETHERNET, LC CONNECTOR, 850 NM 50/125 MULTIMODE, 1000BASESX, VCSEL, 550M, 63 E1 OR 84 T1 LINKS
EGATE-100/48R/2XSFP2/SFP6/SFP6/FULL	4050620000	$	18,426.00	CH ETH GATEWAY WITH SFP SLOTS FOR STM-1/OC-3 INTERFACES, R -48 VDC PS, 2 PLUGGABLE TRCVRS FAST ETH/STM 1, 1310 NM, SM, LASER, 15 KM (9.3 MI), PLUGGABLE TRCVRS: GIGABIT ETH, LC CONNECTOR, 1310 NM 9/125 SM, 1000BASELX10, LASER, 10 KM, PLUGGABLE TRCVRS: GIGABIT ETH, LC CONNECTOR, 1310 NM 9/125 SM, 1000BASELX10, LASER, 10 KM, 63 E1 OR 84 T1 LINKS
EGATE-100/48R/2XSFP2/UTP/UTP/FULL	4050870000	$	18,249.00	CHANNELIZED ETHERNET GATEWAY WITH SFP SLOTS FOR STM-1/OC-3 INTERFACES, REDUNDANT -48 VDC POWER SUPPLY, 2 PLUGGABLE TRANSCEIVERS: FAST ETHERNET/STM 1, 1310 NM, SINGLE MODE, LASER, 15 KM (9.3 MI), BUILT-IN 10/100/1000BASET, RJ-45 CONNECTOR, BUILT-IN 10/100/1000BASET, RJ-45 CONNECTOR, 63 E1 OR 84 T1 LINKS
EGATE-100/48R/2XSFP3/UTP/UTP/FULL	4051040000	$	18,267.00	CHANNELIZED ETHERNET GATEWAY WITH SFP SLOTS FOR STM-1/OC-3 INTERFACES, REDUNDANT -48 VDC POWER SUPPLY, 2 PLUGGABLE TRANSCEIVERS: FAST ETHERNET/STM 1, 1310 NM, SINGLE MODE, LASER, 40 KM (24.8 MI), BUILT-IN 10/100/1000BASET, RJ-45 CONNECTOR, BUILT-IN 10/100/1000BASET, RJ-45 CONNECTOR, 63 E1 OR 84 T1 LINKS
EGATE-100/48R/2XSFP3/UTP/UTP/N3/FULL	4051050000	$	18,457.00	GBE TO CHANNELISED(STM1/T3) GATEWAY; NEBS COMPLY,REDUNDANT 48VDC POWER SUPPLIES,DUAL SFP, SM, 1310NM, UP TO 40KM, LC, 100BASEFX OR STM1,GBE,1000BASET,RJ-45,GBE,1000BASET,RJ-45,NEBS-3 COMPLIANT,63E1/84T1 LINKS ENABLED
EGATE-100/48R/NULL/NULL/NULL/FULL	4051210000	$	16,309.00	CHANNELIZED ETHERNET GATEWAY WITH SFP SLOTS FOR STM-1/OC-3 INTERFACES, REDUNDANT -48 VDC POWER SUPPLY, EMPTY SFP SLOT, EMPTY SFP SLOT, EMPTY SFP SLOT, 63 E1 OR 84 T1 LINKS
EGATE-100/48R/NULL/UTP/UTP/FULL	4050650000	$	16,424.00	CHANNELIZED ETHERNET GATEWAY WITH SFP SLOTS FOR STM-1/OC-3 INTERFACES, REDUNDANT -48 VDC POWER SUPPLY, EMPTY SFP SLOT, BUILT-IN 10/100/1000BASET, RJ-45 CONNECTOR, BUILT-IN 10/100/1000BASET, RJ-45 CONNECTOR, 63 E1 OR 84 T1 LINKS
EGATE-100/AC/NULL/NULL/NULL/FULL	4051010000	$	17,406.00	CHANNELIZED ETHERNET GATEWAY WITH SFP SLOTS FOR STM-1/OC-3 INTERFACES, 100-240 VAC, EMPTY SFP SLOT, EMPTY SFP SLOT, EMPTY SFP SLOT, 63 E1 OR 84 T1 LINKS
EGATE-100/AC/SFP-2/85	4050250000	$	16,578.00	CHANNELIZED ETHERNET GATEWAY, 100-240 VAC; CHANNELIZED STM-1/OC-3 INTERFACE: 1310 NM SINGLE MODE FIBER S1.1 FIBER, LASER, LC CONNECTOR; GBE INTERFACE: 850 NM MULTIMODE FIBER, LED, LC CONNECTOR
EGATE-100/AC/SFP2/SFP6/SFP6/FULL	4051120000	$	17,851.00	CHANNELIZED ETHERNET GATEWAY WITH SFP SLOTS FOR STM-1/OC-3 INTERFACES, 100-240 VAC, PLUGGABLE TRANSCEIVER: FAST ETHERNET/STM-1, 1310 NM, SINGLE MODE, LASER, 15 KM (9.3 MI), PLUGGABLE TRANSCEIVER: GIGABIT ETHERNET, LC CONNECTOR, 1310 NM 9/125 SINGLE MODE, 1000BASELX10, LASER, 10 KM, PLUGGABLE TRANSCEIVER: GIGABIT ETHERNET, LC CONNECTOR, 1310 NM 9/125 SINGLE MODE, 1000BASELX10, LASER, 10 KM, 63 E1 OR 84 T1 LINKS
EGATE-100/ACR/2XSFP2/SFP5/SFP5/FULL	4051060000	$	18,241.00	CHANNELIZED ETHERNET GATEWAY WITH SFP SLOTS FOR STM-1/OC-3 INTERFACES, REDUNDANT AC POWER SUPPLY, 2 PLUGGABLE TRANSCEIVERS: FAST ETHERNET/STM 1, 1310 NM, SINGLE MODE, LASER, 15 KM (9.3 MI), PLUGGABLE TRANSCEIVER: GIGABIT ETHERNET, LC CONNECTOR, 850 NM 50/125 MULTIMODE, 1000BASESX, VCSEL, 550M, PLUGGABLE TRANSCEIVER: GIGABIT ETHERNET, LC CONNECTOR, 850 NM 50/125 MULTIMODE, 1000BASESX, VCSEL, 550M, 63 E1 OR 84 T1 LINKS
EGATE-100/ACR/2XSFP2/SFP6/SFP6/FULL	4051140000	$	18,426.00	CHANNELIZED ETHERNET GATEWAY WITH SFP SLOTS FOR STM-1/OC-3 INTERFACES, REDUNDANT AC POWER SUPPLY, 2 PLUGGABLE TRANSCEIVERS: FAST ETHERNET/STM 1, 1310 NM, SINGLE MODE, LASER, 15 KM (9.3 MI), PLUGGABLE TRANSCEIVER: GIGABIT ETHERNET, LC CONNECTOR, 1310 NM 9/125 SINGLE MODE, 1000BASELX10, LASER, 10 KM, PLUGGABLE TRANSCEIVER: GIGABIT ETHERNET, LC CONNECTOR, 1310 NM 9/125 SINGLE MODE, 1000BASELX10, LASER, 10 KM, 63 E1 OR 84 T1 LINKS
EGATE-100/ACR/2XSFP2/SFP6/SFP6/FULL/N3	4051660000	$	18,615.00	CHANNELIZED ETHERNET GATEWAY WITH SFP SLOTS FOR STM-1/OC-3 INTERFACES, REDUNDANT AC POWER SUPPLY, 2 PLUGGABLE TRANSCEIVERS: FAST ETHERNET/STM 1, 1310 NM, SINGLE MODE, LASER, 15 KM (9.3 MI), PLUGGABLE TRANSCEIVER: GIGABIT ETHERNET, LC CONNECTOR, 1310 NM 9/125 SINGLE MODE, 1000BASELX10, LASER, 10 KM, PLUGGABLE TRANSCEIVER: GIGABIT ETHERNET, LC CONNECTOR, 1310 NM 9/125 SINGLE MODE, 1000BASELX10, LASER, 10 KM, 63 E1 OR 84 T1 LINKS, NEBS LEVEL 3 COMPLIANT
EGATE-100/ACR/NULL/NULL/NULL/DIS	4050670000	$	15,154.00	CHANNELIZED ETHERNET GATEWAY WITH SFP SLOTS FOR STM-1/OC-3 INTERFACES, REDUNDANT AC POWER SUPPLY, EMPTY SFP SLOT, EMPTY SFP SLOT, EMPTY SFP SLOT, 30 E1 OR 42 T1 LINKS

EGATE-100/ACR/NULL/NULL/NULL/FULL	4051230000	$	16,309.00	CHANNELIZED ETHERNET GATEWAY WITH SFP SLOTS FOR STM-1/OC-3 INTERFACES, REDUNDANT AC POWER SUPPLY, EMPTY SFP SLOT, EMPTY SFP SLOT, EMPTY SFP SLOT, 63 E1 OR 84 T1 LINKS
EGATE-100/ACR/NULL/UTP/UTP/FULL	4050960000	$	16,424.00	CHANNELIZED ETHERNET GATEWAY WITH SFP SLOTS FOR STM-1/OC-3 INTERFACES, REDUNDANT AC POWER SUPPLY, EMPTY SFP SLOT, BUILT-IN 10/100/1000BASET, RJ-45 CONNECTOR, BUILT-IN 10/100/1000BASET, RJ-45 CONNECTOR, 63 E1 OR 84 T1 LINKS
EGATE-100/ACR/SFP1/SFP5/NULL/FULL	4051150000	$	16,482.00	GBE TO CHANNELISED(STM1/T3) GATEWAY; NEBS COMPLY,DUAL AC POWER SUPPLY,SFP, MM, 1310NM, UP TO 2KM, LC, 100BASEFX OR STM1,SFP, MM, 850NM, UP TO 550M, LC, 1000BASE-SX,63E1/84T1 LINKS ENABLED
EGATE-100/ACR/SFP2/UTP/UTP/FULL	4050970000	$	18,108.00	CHANNELIZED ETHERNET GATEWAY WITH SFP SLOTS FOR STM-1/OC-3 INTERFACES, REDUNDANT AC POWER SUPPLY, PLUGGABLE TRANSCEIVER: FAST ETHERNET/STM-1, 1310 NM, SINGLE MODE, LASER, 15 KM (9.3 MI), BUILT-IN 10/100/1000BASET, RJ-45 CONNECTOR, BUILT-IN 10/100/1000BASET, RJ-45 CONNECTOR, 63 E1 OR 84 T1 LINKS
EGATE-100/PS/48	4050430000	$	455.00	EGATE-100, 48 VDC POWER SUPPLY
EGATE-100/PS/AC	4050440000	$	455.00	EGATE-100, VAC POWER SUPPLY
EGATE-100-T3/48/NULL/NULL/3T3	4051740000	$	17,406.00	CHANNELIZED ETHERNET GATEWAY WITH THREE T3 PORTS, -48 VDC, EMPTY SFP SLOT, EMPTY SFP SLOT, 3 T3 LINKS
EGATE-100-T3/48R/NULL/NULL/3T3	4050980000	$	17,862.00	CHANNELIZED ETHERNET GATEWAY WITH THREE T3 PORTS, REDUNDANT -48 VDC POWER SUPPLY, EMPTY SFP SLOT, EMPTY SFP SLOT, 3 T3 LINKS
EGATE-100-T3/48R/SFP5/NULL/3T3	4051450000	$	17,931.00	CHANNELIZED ETHERNET GATEWAY WITH THREE T3 PORTS, REDUNDANT -48 VDC POWER SUPPLY, PLUGGABLE TRANSCEIVER: GIGABIT ETHERNET, LC CONNECTOR, 850 NM 50/125 MULTIMODE, 1000BASESX, VCSEL, 550M, EMPTY SFP SLOT, 3 T3 LINKS
EGATE-100-T3/48R/UTP/UTP/3T3	4051070000	$	17,988.00	CHANNELIZED ETHERNET GATEWAY WITH THREE T3 PORTS, REDUNDANT -48 VDC POWER SUPPLY, BUILT-IN 10/100/1000BASET, RJ-45 CONNECTOR, BUILT-IN 10/100/1000BASET, RJ-45 CONNECTOR, 3 T3 LINKS
EGATE-100-T3/AC/UTP/UTP/3T3	4050890000	$	17,533.00	CHANNELIZED ETHERNET GATEWAY WITH THREE T3 PORTS, 100-240 VAC, BUILT-IN 10/100/1000BASET, RJ-45 CONNECTOR, BUILT-IN 10/100/1000BASET, RJ-45 CONNECTOR, 3 T3 LINKS
EGATE-100-T3/ACR/NULL/NULL/3T3	4050780000	$	17,862.00	CHANNELIZED ETHERNET GATEWAY WITH THREE T3 PORTS, REDUNDANT AC POWER SUPPLY, EMPTY SFP SLOT, EMPTY SFP SLOT, 3 T3 LINKS
EGATE-100-T3/ACR/SFP6/SFP6/3T3	4051410000	$	18,185.00	CHANNELIZED ETHERNET GATEWAY WITH THREE T3 PORTS, REDUNDANT AC POWER SUPPLY, PLUGGABLE TRANSCEIVER: GIGABIT ETHERNET, LC CONNECTOR, 1310 NM 9/125 SINGLE MODE, 1000BASELX10, LASER, 10 KM, PLUGGABLE TRANSCEIVER: GIGABIT ETHERNET, LC CONNECTOR, 1310 NM 9/125 SINGLE MODE, 1000BASELX10, LASER, 10 KM, 3 T3 LINKS
EGATE-100-T3/ACR/UTP/UTP/3T3	4050910000	$	17,988.00	CHANNELIZED ETHERNET GATEWAY WITH THREE T3 PORTS, REDUNDANT AC POWER SUPPLY, BUILT-IN 10/100/1000BASET, RJ-45 CONNECTOR, BUILT-IN 10/100/1000BASET, RJ-45 CONNECTOR, 3 T3 LINKS
EGATE-20/CH/E1	4060210000	$	4,600.00	CHANNELIZED ETHERNET GATEWAY, E1 PORT
EGATE-20/CH/T1	4060250000	$	3,732.00	CHANNELIZED ETHERNET GATEWAY , CHANNELIZED, T1 PORT
EGATE-20/E1	4060260000	$	3,821.00	UNCHANNELIZED ETHERNET GATEWAY , E1 PORT
EGATE-20/T1	4060280000	$	3,100.00	UNCHANNELIZED ETHERNET GATEWAY , T1 PORT
EGATE-2000/48R/MAIN/8GBE	5310250000	$	37,852.00	REDUNDANT -48 VDC POWER SUPPLY, 1 STM-16/OC-48 AND 2 STM-4/OC-12 OR 4 STM-1/OC-3, 4 100/1000BASET AND 4 1000FX PORTS
EGATE-2000/48R/MAINR/8GBER	5310280000	$	66,103.00	REDUNDANT -48 VDC PS, REDUNDANT 1 STM-16/OC-48 AND 2 STM-4/OC-12 OR 4 STM-1/OC-3, REDUNDANT 4 100/1000BASET AND 4 1000FX PORTS
EGATE-2000M-8GBE	5310900000	$	23,100.00	EGATE-2000 ETHERNET MODULE
EGATE-2000M-FAN	5310910000	$	567.00	EGATE-2000 FAN MODULE
EGATE-2000M-MAIN	5310920000	$	8,663.00	EGATE-2000 MAIN MODULE
EGATE-2000M-MNG	5310930000	$	827.00	EGATE-2000 MANAGEMENT MODULE
EGATE-2000M-PS/DC	5310940000	$	1,144.00	EGATE-2000 POWER SUPPLY MODULE, DC
ETX-1/ACEX/2SFP/4UTP	1960120000	$	495.00	ETHERNET DEMARCATION SWITCH, EXTERNAL AC POWER SUPPLY, 2 EMPTY SFP SLOTS, 4 ETHERNET UTP PORTS
ETX-1/ACEX/2UTP/4UTP	1960230000	$	495.00	ETHERNET DEMARCATION SWITCH EXTERNAL AC POWER SUPPLY, 2 UTP ETHERNET PORTS, 4 UTP PORTS
ETX-1002/AC	3770900000	$	5,498.00	10-GIGABIT CARRIER ETHERNET AGGREGATION SWITCH , 100-240 VAC
ETX-1002/DC	3770940000	$	5,635.00	10-GIGABIT CARRIER ETHERNET AGGREGATION SWITCH , DC
ETX-1002-2X10G	3770890000	$	2,071.00	ETX-1002 MODULE, 2X10GBE
ETX-1002-FAN	3770880000	$	273.00	FAN TRAY FOR ETX-1002
ETX-1002-PS/AC	3770860000	$	355.00	POWER SUPPLY FOR ETX-1002, 100-240 VAC
ETX-1002-PS/DC	3770870000	$	498.00	POWER SUPPLY FOR ETX-1002, DC
ETX-1002-SW10G	3770840000	$	963.00	ACTIVATION LICENSE FOR ETX-1002, 10GBE PORTS
ETX-102/H/UTP/NULL/1UTP	1950010000	$	708.00	BASIC ETHERNET DEMARCATION DEVICE; TEMPERATURE-HARDENED ENCLOSURE; NETWORK PORT: BUILT-IN 10/100BT; EMPTY SFP SLOT; BUILT-IN 10/100BT USER PORT
ETX-102/H/WRDC/NULL/NULL/4UTP	3770670000	$	1,044.00	BASIC ETHERNET DEMARCATION DEVICE, TEMPERATURE-HARDENED ENCLOSURE, 24 TO -48 VDC POWER SUPPLY; NETWORK PORT: EMPTY SFP SLOT; NETWORK/USER PORT: EMPTY SFP SLOT; USER PORT: EMPTY SFP SLOT; 4 BUILT-IN 10/100BT USER PORTS
ETX-102/NULL/NULL/1UTP	3770330000	$	506.00	FAST ETHERNET NETWORK TERMINATION UNIT; 2 EMPTY SFP SLOTS; BUILT-IN 10/100BT USER PORT
ETX-102/NULL/NULL/4UTP	3770410000	$	578.00	FAST ETHERNET NETWORK TERMINATION UNIT; 2 EMPTY SFP SLOTS; FOUR BUILT-IN 10/100BT USER PORTS
ETX-102/SFP-1/NULL/1UTP	3770340000	$	703.00	FAST ETHERNET NETWORK TERMINATION UNIT; NETWORK PORT: SFP-1 TRANSCEIVER; NETWORK/USER PORT: EMPTY SFP SLOT; USER PORT: BUILT-IN 10/100BT
ETX-102/SFP-1/NULL/4UTP	3770420000	$	784.00	FAST ETHERNET NETWORK TERMINATION UNIT; NETWORK PORT: SFP-1 TRANSCEIVER; NETWORK/USER PORT: EMPTY SFP SLOT; USER PORTS: 4 BUILT-IN 10/100BT
ETX-102/SFP-1/SFP-2/4UTP	3770780000	$	904.00	BASIC ETHERNET DEMARCATION DEVICE; NETWORK PORT: SFP-1 TRANSCEIVER; NETWORK/USER PORT: EMPTY SFP SLOT; 4 BUILT-IN 10/100BT USER PORTS
ETX-102/SFP-1/UTP/4UTP	3770720000	$	784.00	BASIC ETHERNET DEMARCATION DEVICE; NETWORK PORT: SFP-1 TRANSCEIVER; NETWORK/USER PORT: BUILT-IN 10/100BT; 4 BUILT-IN 10/100BT USER PORTS
ETX-102/SFP-2/NULL/1UTP	3770350000	$	702.00	FAST ETHERNET NETWORK TERMINATION UNIT; NETWORK PORT: SFP-2 TRANSCEIVER; NETWORK/USER PORT: EMPTY SFP SLOT; USER PORT: BUILT-IN 10/100BT
ETX-102/SFP-2/NULL/4UTP	3770430000	$	784.00	FAST ETHERNET NETWORK TERMINATION UNIT; NETWORK PORT: SFP-2 TRANSCEIVER; NETWORK/USER PORT: EMPTY SFP SLOT; USER PORT: 4 BUILT-IN 10/100BT
ETX-102/SFP-2/SFP-2/1UTP	3770500000	$	823.00	FAST ETHERNET NETWORK TERMINATION UNIT; NETWORK PORT: SFP-2 TRANSCEIVER; NETWORK/USER PORT: SFP-2 TRANSCEIVER; USER PORT: BUILT-IN 10/100BT
ETX-102/SFP-2/SFP-2/4UTP	3770570000	$	904.00	FAST ETHERNET NETWORK TERMINATION UNIT; NETWORK PORT: SFP-2 TRANSCEIVER; NETWORK/USER PORT: SFP-2 TRANSCEIVER; USER PORT: 4 BUILT-IN 10/100BT
ETX-102/SFP-3/NULL/1UTP	3770360000	$	722.00	FAST ETHERNET NETWORK TERMINATION UNIT; NETWORK PORT: SFP-3 TRANSCEIVER; NETWORK/USER PORT: EMPTY SFP SLOT; USER PORT: BUILT-IN 10/100BT
ETX-102/SFP-3/SFP-3/1UTP	3770510000	$	860.00	FAST ETHERNET NETWORK TERMINATION UNIT; NETWORK PORT: SFP-3 TRANSCEIVER; NETWORK/USER PORT: SFP-3 TRANSCEIVER; USER PORT: BUILT-IN 10/100BT
ETX-102/SFP-3/SFP-3/4UTP	3770580000	$	943.00	FAST ETHERNET NETWORK TERMINATION UNIT; NETWORK PORT: SFP-3 TRANSCEIVER; NETWORK/USER PORT: SFP-3 TRANSCEIVER; USER PORT: 4 BUILT-IN 10/100BT

ETX-102/UTP/NULL/1UTP	3770400000	$	582.00	BASIC ETHERNET DEMARCATION DEVICE; NETWORK PORT: BUILT-IN 10/100BT; NETWORK/USER PORT: EMPTY SFP SLOT; USER PORT: BUILT-IN 10/100BT
ETX-102/UTP/NULL/4UTP	3770480000	$	578.00	BASIC ETHERNET DEMARCATION DEVICE; NETWORK PORT: BUILT-IN 10/100BT; NETWORK/USER PORT: EMPTY SFP SLOT; 4 BUILT-IN 10/100BT USER PORTS
ETX-102/UTP/UTP/1UTP	3770550000	$	582.00	FAST ETHERNET NETWORK TERMINATION UNIT; NETWORK PORT: BUILT-IN 10/100BT; NETWORK/USER PORT: BUILT-IN 10/100BT; USER PORT: BUILT-IN 10/100BT
ETX-102/UTP/UTP/4UTP	3770620000	$	578.00	FAST ETHERNET NETWORK TERMINATION UNIT; NETWORK PORT: BUILT-IN 10/100BT; NETWORK/USER PORT: BUILT-IN 10/100BT; USER PORT: 4 BUILT-IN 10/100BT
ETX-102H/NULL/NULL/1UTP	1950030000	$	616.00	FAST ETHERNET NETWORK TERMINATION UNIT; TEMPERATURE-HARDENED ENCLOSURE; 2 EMPTY SFP SLOTS; BUILT-IN 10/100BT USER PORT
ETX-102H/NULL/NULL/4UTP	1950040000	$	791.00	FAST ETHERNET NETWORK TERMINATION UNIT; TEMPERATURE-HARDENED ENCLOSURE; 2 EMPTY SFP SLOTS; 4 BUILT-IN 10/100BT USER PORTS
ETX-1300/48R/32N	6750010000	$	6,312.00	GIGABIT ETHERNET AGGREGATION SWITCH, REDUNDANT -48 VDC POWER SUPPLY, 32 EMPTY SFP SLOTS
ETX-1300/ACR/32N	6750030000	$	5,940.00	GIGABIT ETHERNET AGGREGATION SWITCH, REDUNDANT AC POWER SUPPLY, 32 EMPTY SFP SLOTS
ETX-201/H/NULL/NULL/4UTP	1910150000	$	1,205.00	BASIC ETHERNET DEMARCATION DEVICE, HARDENED ENCLOSURE, EMPTY SFP SLOT, 4 FE UTP PORTS, 4 FE UTP PORTS 10/100/1000BASET
ETX-201/NULL/NULL/1NULL3UTP	1910200000	$	1,005.00	BASIC ETHERNET DEMARCATION DEVICE, EMPTY SFP SLOT, 4 FE UTP PORTS, 4 FE UTP PORTS: 1 USER PORT WITH EMPTY SFP SLOT, 3 10/100/1000BT UTP PORTS
ETX-201/NULL/NULL/4UTP	1910140000	$	875.00	BASIC ETHERNET DEMARCATION DEVICE, EMPTY SFP SLOT, 4 FE UTP PORTS, 4 FE UTP PORTS 10/100/1000BASET
ETX-201/NULL/NULL/UTP	1910190000	$	765.00	BASIC ETHERNET DEMARCATION DEVICE, EMPTY SFP SLOT, 4 FE UTP PORTS, 1 FE UTP PORT 10/100/1000BT
ETX-201A/NULL/NULL/4NULL	1920090000	$	1,891.00	BASIC ETHERNET DEMARCATION DEVICE, EMPTY SFP SLOT, 4 FE UTP PORTS, 4 USER PORTS WITH EMPTY SFP SLOT
ETX-201A/NULL/NULL/4UTP	1920060000	$	1,645.00	BASIC ETHERNET DEMARCATION DEVICE, EMPTY SFP SLOT, 4 FE UTP PORTS, 4 FE UTP PORTS 10/100/1000BASET
ETX-201A/UTP/UTP/1UTP	1920110000	$	1,638.00	BASIC ETHERNET DEMARCATION DEVICE, UTP ETHERNET PORT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 10/100/1000BT UTP PORT
ETX-202/H/WRDC/NULL/NULL/4NULL	1670200000	$	1,865.00	GIGABIT ETHERNET NETWORK TERMINATION UNIT, 24 TO -48 VDC POWER SUPPLY; NETWORK PORT: EMPTY SFP SLOT; NETWORK/USER PORT: EMPTY SFP SLOT; USER PORT 3: EMPTY SFP SLOT; USER PORTS 3-6: EMPTY SFP SLOTS
ETX-202/NULL/NULL/1NULL	4390410000	$	1,385.00	GIGABIT ETHERNET NETWORK TERMINATION UNIT, AC/DC; NETWORK PORT: EMPTY SFP SLOT; NETWORK/USER PORT: EMPTY SFP SLOT; USER PORT 3: EMPTY SFP SLOT
ETX-202/NULL/NULL/1NULLUTP	4390610000	$	1,205.00	BASIC ETHERNET DEMARCATION DEVICE; NETWORK PORT: EMPTY SFP SLOT; NETWORK/USER PORT: EMPTY SFP SLOT; USER PORT: PORT 3 EMPTY SFP SLOT, PORT 4 1 BUILT-IN 10/100/1000BASET PORT (RJ-45 CONNECTOR)
ETX-202/NULL/NULL/1UTP	4390310000	$	1,385.00	GIGABIT ETHERNET NETWORK TERMINATION UNIT, AC/DC; NETWORK PORT: EMPTY SFP SLOT; NETWORK/USER PORT: EMPTY SFP SLOT; USER PORT 3: EMPTY SFP SLOT; USER PORT 4: 10/100/1000BASET
ETX-202/NULL/NULL/2NULL2UTP	4390850000	$	1,425.00	BASIC ETHERNET DEMARCATION DEVICE; NETWORK PORT: EMPTY SFP SLOT; NETWORK/USER PORT: EMPTY SFP SLOT; USER PORT: PORT 3-4 EMPTY SFP SLOTS, PORTS 4-5 BUILT-IN 10/100/1000BASET PORTS (RJ-45 CONNECTOR)
ETX-202/NULL/NULL/4NULL	4390390000	$	1,425.00	GIGABIT ETHERNET NETWORK TERMINATION UNIT, AC/DC; NETWORK PORT: EMPTY SFP SLOT; NETWORK/USER PORT: EMPTY SFP SLOT; USER PORTS 3-6: EMPTY SFP SLOTS
ETX-202/NULL/NULL/4UTP	4390240000	$	1,425.00	GIGABIT ETHERNET NETWORK TERMINATION UNIT, AC/DC; NETWORK PORT: EMPTY SFP SLOT; NETWORK/USER PORT: EMPTY SFP SLOT; USER PORTS 3-6: 10/100/1000BASET
ETX-202/NULL/SFP-5/1UTP	4390590000	$	1,455.00	BASIC ETHERNET DEMARCATION DEVICE; NETWORK PORT: EMPTY SFP SLOT; NETWORK/USER PORT: SFP-5 TRANSCEIVER; USER PORT: PORT 3,1 BUILT-IN 10/100/1000BASET PORT (RJ-45 CONNECTOR)
ETX-202/NULL/UTP/1NULLUTP	4391030000	$	1,385.00	BASIC ETHERNET DEMARCATION DEVICE; NETWORK PORT: EMPTY SFP SLOT; NETWORK/USER PORT: BUILT-IN 10/100/1000BASET; USER PORT: PORT 3 EMPTY SFP SLOT, PORT 4 1 BUILT-IN 10/100/1000BASET PORT (RJ-45 CONNECTOR)
ETX-202/NULL/UTP/1UTP	4390070000	$	1,205.00	BASIC ETHERNET DEMARCATION DEVICE; NETWORK PORT: EMPTY SFP SLOT; NETWORK/USER PORT: BUILT-IN 10/100/1000BASET; USER PORT: PORT 3,1 BUILT-IN 10/100/1000BASET PORT (RJ-45 CONNECTOR)
ETX-202/NULL/UTP/4UTP	4390400000	$	1,638.00	BASIC ETHERNET DEMARCATION DEVICE; NETWORK PORT: EMPTY SFP SLOT; NETWORK/USER PORT: BUILT-IN 10/100/1000BASET; USER PORT: 4 BUILT-IN 10/100/1000BASET PORTS (RJ-45 CONNECTOR)
ETX-202/SFP-5/NULL/1NULLUTP	4391020000	$	1,455.00	BASIC ETHERNET DEMARCATION DEVICE; NETWORK PORT: SFP-5 TRANSCEIVER; NETWORK/USER PORT: EMPTY SFP SLOT; USER PORT: PORT 3 EMPTY SFP SLOT, PORT 4 1 BUILT-IN 10/100/1000BASET PORT (RJ-45 CONNECTOR)
ETX-202/SFP-5/NULL/1SFP-5UTP	4390950000	$	1,525.00	BASIC ETHERNET DEMARCATION DEVICE; NETWORK PORT: SFP-5 TRANSCEIVER; NETWORK/USER PORT: EMPTY SFP SLOT; USER PORT 3: SFP-5 TRANSCEIVER; USER PORT 4: 1 BUILT IN 10/100/1000BASET PORT (RJ-45 CONNECTOR)
ETX-202/SFP-5/NULL/1UTP	4390160000	$	1,455.00	GIGABIT ETHERNET NETWORK TERMINATION UNIT, AC/DC; NETWORK PORT 1: 850 NM MULTIMODE VCSEL, 0.55 KM (0.3 MILES); NETWORK PORT 2: EMPTY SFP SLOT; USER PORT 3: 10/100/1000BASET USER INTERFACE
ETX-202/SFP-5/SFP-5/1UTP	4390120000	$	1,525.00	GIGABIT ETHERNET NETWORK TERMINATION UNIT, AC/DC; NETWORK PORT: 850 NM MULTIMODE VCSEL, 0.55 KM (0.3 MILES); NETWORK PORT 2: EMPTY SFP SLOT; USER PORT 3: 10/100/1000BASET USER INTERFACE
ETX-202/SFP-5/SFP-5/4SFP-5	4390330000	$	2,056.00	BASIC ETHERNET DEMARCATION DEVICE; NETWORK PORT: SFP-5 TRANSCEIVER; NETWORK/USER PORT: SFP-5 TRANSCEIVER; USER PORTS 4-6: 4 SFP-5 TRANSCEIVERS
ETX-202/SFP-5/SFP-5/4UTP	4390320000	$	1,778.00	GIGABIT ETHERNET NETWORK TERMINATION UNIT, AC/DC; NETWORK PORT: 850 NM MULTIMODE VCSEL, 0.55 KM (0.3 MILES); NETWORK PORT 2: EMPTY SFP SLOT; USER PORTS 3-6: 10/100/1000BASET USER INTERFACE
ETX-202/SFP-5/SFP-6/4UTP	4391000000	$	1,870.00	BASIC ETHERNET DEMARCATION DEVICE; NETWORK PORT: SFP-5 TRANSCEIVER; NETWORK/USER PORT: SFP-6 TRANSCEIVER; USER PORT: 4 BUILT-IN 10/100/1000BASET PORTS (RJ-45 CONNECTOR)
ETX-202/SFP-5/UTP/UTP	4390050000	$	1,455.00	ETHERNET NETWORK TERMINATION UNIT WITH GBE UPLINK, AC/DC; NETWORK PORT: SFP, 1000BASESX, MULTIMODE 850 UP TO 550M; NETWORK/USER PORT: 10/100/1000BASET, RJ-45 CONNECTOR; USER PORT: SINGLE 10/100BASET, RJ-45 CONNECTOR
ETX-202/SFP-6/NULL/1NULL/UTP	4390820000	$	1,547.00	BASIC ETHERNET DEMARCATION DEVICE; NETWORK PORT: SFP-6 TRANSCEIVER; NETWORK/USER PORT: EMPTY SFP SLOT; USER PORT: PORT 3 EMPTY SFP SLOT, PORT 4 1 BUILT-IN 10/100/1000BASET PORT (RJ-45 CONNECTOR)
ETX-202/SFP-6/NULL/1SFP-5UTP	4390620000	$	1,617.00	BASIC ETHERNET DEMARCATION DEVICE; NETWORK PORT: SFP-6 TRANSCEIVER; NETWORK/USER PORT: EMPTY SFP SLOT; USER PORT 3: SFP-5 TRANSCEIVER; USER PORT 4: 1 BUILT IN 10/100/1000BASET PORT (RJ-45 CONNECTOR)
ETX-202/SFP-6/NULL/1UTP	4390170000	$	1,547.00	GIGABIT ETHERNET NETWORK TERMINATION UNIT, AC/DC; NETWORK PORT 1: 1310 NM SINGLE MODE LASER, 10 KM (6.2 MILES); NETWORK PORT 2: EMPTY SFP SLOT; USER PORT 3: 10/100/1000BASET USER INTERFACE
ETX-202/SFP-6/NULL/4UTP	4390300000	$	1,800.00	GIGABIT ETHERNET NETWORK TERMINATION UNIT, AC/DC; NETWORK PORT 1: 1310 NM SINGLE MODE LASER, 10 KM (6.2 MILES); NETWORK PORT 2: EMPTY SFP SLOT; USER PORTS 3-6: 10/100/1000BASET USER INTERFACE
ETX-202/SFP-6/NULL/UTP	4390170000	$	1,346.00	GIGABIT ETHERNET NETWORK TERMINATION UNIT, AC/DC; NETWORK PORT 1: 1310 NM SINGLE MODE LASER, 10 KM (6.2 MILES); NETWORK PORT 2: EMPTY SFP SLOT; USER PORT 3: 10/100/1000BASET USER INTERFACE
ETX-202/SFP-6/SFP-5/4UTP	4390430000	$	1,870.00	BASIC ETHERNET DEMARCATION DEVICE; NETWORK PORT: SFP-6 TRANSCEIVER; NETWORK/USER PORT: SFP-5 TRANSCEIVER; USER PORT: 4 BUILT-IN 10/100/1000BASET PORTS (RJ-45 CONNECTOR)
ETX-202/SFP-6/SFP-5/UTP	4390260000	$	1,617.00	BASIC ETHERNET DEMARCATION DEVICE; NETWORK PORT: SFP-6 TRANSCEIVER; NETWORK/USER PORT: SFP-5 TRANSCEIVER; USER PORT 3: 1 BUILT IN 10/100/1000BASET PORT (RJ-45 CONNECTOR)
ETX-202/SFP-6/SFP-6/1SFP-5UTP	4390650000	$	1,779.00	BASIC ETHERNET DEMARCATION DEVICE; NETWORK PORT: SFP-6 TRANSCEIVER; NETWORK/USER PORT: SFP-6 TRANSCEIVER; USER PORT 3: SFP-5 TRANSCEIVER; USER PORT 4: 1 BUILT IN 10/100/1000BASET PORT (RJ-45 CONNECTOR)

ETX-202/SFP-6/SFP-6/1UTP	4390350000	$	1,709.00	BASIC ETHERNET DEMARCATION DEVICE; NETWORK PORT: SFP-6 TRANSCEIVER; NETWORK/USER PORT: SFP-6 TRANSCEIVER; USER PORT 3: 1 BUILT IN 10/100/1000BASET PORT (RJ-45 CONNECTOR)
ETX-202/SFP-6/SFP-6/4UTP	4390220000	$	1,962.00	GIGABIT ETHERNET NETWORK TERMINATION UNIT, AC/DC; NETWORK PORT 1: 1310 NM SINGLE MODE LASER, 10 KM (6.2 MILES); NETWORK PORT 2: 1310 NM SINGLE MODE LASER, 10 KM (6.2 MILES); USER PORTS 3-6: 10/100/1000BASET USER INTERFACE
ETX-202/SFP-6/SFP-8/4UTP	4390600000	$	2,165.00	BASIC ETHERNET DEMARCATION DEVICE; NETWORK PORT: SFP-6 TRANSCEIVER; NETWORK/USER PORT: SFP-8 TRANSCEIVER; USER PORT: 4 BUILT-IN 10/100/1000BASET PORTS (RJ-45 CONNECTOR)
ETX-202/SFP-6/UTP/UTP	4390060000	$	1,547.00	ETHERNET NETWORK TERMINATION UNIT WITH GBE UPLINK, AC/DC; SINGLE 1000BASELX10, SINGLE MODE 1310, UP TO 10 KM, SFP NETWORK INTERFACE AND SINGLE 10/100/1000BASET USER INTERFACE
ETX-202/SFP-7/NULL/1UTP	4390180000	$	2,270.00	GIGABIT ETHERNET NETWORK TERMINATION UNIT, AC/DC; NETWORK PORT 1: 1550 NM SINGLE MODE LASER, 80 KM (49.7 MILES); NETWORK PORT 2: EMPTY SFP SLOT; USER PORT 3: 10/100/1000BASET USER INTERFACE
ETX-202/SFP-7/SFP-7/1UTP	4390380000	$	3,156.00	GIGABIT ETHERNET NETWORK TERMINATION UNIT, AC/DC; NETWORK PORT 1: 1550 NM SINGLE MODE LASER, 80 KM (49.7 MILES); NETWORK PORT 2: 1550 NM SINGLE MODE LASER, 80 KM (49.7 MILES); USER PORT 3: 10/100/1000BASET USER INTERFACE
ETX-202/SFP-7/SFP-7/4UTP	4390280000	$	3,409.00	GIGABIT ETHERNET NETWORK TERMINATION UNIT, AC/DC; NETWORK PORT 1: 1550 NM SINGLE MODE LASER, 80 KM (49.7 MILES); NETWORK PORT 2: 1550 NM SINGLE MODE LASER, 80 KM (49.7 MILES); USER PORTS 3-6: 10/100/1000BASET USER INTERFACE
ETX-202/SFP-8/NULL/1UTP	4390190000	$	1,749.00	GIGABIT ETHERNET NETWORK TERMINATION UNIT, AC/DC; NETWORK PORT 1:1310 NM SINGLE MODE LASER, 40 KM (24.8 MILES); NETWORK PORT 2: EMPTY SFP SLOT; USER PORT 3: 10/100/1000BASET USER INTERFACE
ETX-202/SFP-8/NULL/4UTP	4390570000	$	2,002.00	BASIC ETHERNET DEMARCATION DEVICE; NETWORK PORT: SFP-8 TRANSCEIVER; NETWORK/USER PORT: EMPTY SFP SLOT; USER PORT: 4 BUILT-IN 10/100/1000BASET PORTS (RJ-45 CONNECTOR)
ETX-202/SFP-8/SFP-5/4UTP	4390770000	$	2,072.00	BASIC ETHERNET DEMARCATION DEVICE; NETWORK PORT: SFP-8 TRANSCEIVER; NETWORK/USER PORT: SFP-5 TRANSCEIVER; USER PORT: 4 BUILT-IN 10/100/1000BASET PORTS (RJ-45 CONNECTOR)
ETX-202/SFP-8/SFP-6/4UTP	4391040000	$	2,165.00	BASIC ETHERNET DEMARCATION DEVICE; NETWORK PORT: SFP-8 TRANSCEIVER; NETWORK/USER PORT: SFP-6TRANSCEIVER; USER PORT: 4 BUILT-IN 10/100/1000BASET PORTS (RJ-45 CONNECTOR)
ETX-202/SFP-8/SFP-8/4UTP	4390560000	$	2,367.00	BASIC ETHERNET DEMARCATION DEVICE; NETWORK PORT: SFP-8 TRANSCEIVER; NETWORK/USER PORT: SFP-8 TRANSCEIVER; USER PORT: 4 BUILT-IN 10/100/1000BASET PORTS (RJ-45 CONNECTOR)
ETX-202/SFP-8D/NULL/1NULL	4390360000	$	1,749.00	GIGABIT ETHERNET NETWORK TERMINATION UNIT, AC/DC; NETWORK PORT 1:1310 NM SINGLE MODE LASER, 40 KM (24.8 MILES); NETWORK PORT 2: EMPTY SFP SLOT; USER PORT 3: EMPTY SFP SLOT
ETX-202/SFP-8D/SFP-5/1UTP	4390150000	$	1,819.00	BASIC ETHERNET DEMARCATION DEVICE; NETWORK PORT: SFP-8 TRANSCEIVER; NETWORK/USER PORT: SFP-5 TRANSCEIVER; USER PORT: PORT 3,1 BUILT-IN 10/100/1000BASET PORT (RJ-45 CONNECTOR)
ETX-202/UTP/UTP/1UTP	4390080000	$	1,385.00	GIGABIT ETHERNET NETWORK TERMINATION UNIT, AC/DC; NETWORK PORT 1: BUILT-IN 10/100/1000BT; NETWORK PORT 2: BUILT-IN 10/100/1000BT; USER PORT 3: 10/100/1000BASET USER INTERFACE
ETX-202/UTP/UTP/4NULL	4390810000	$	1,638.00	BASIC ETHERNET DEMARCATION DEVICE; NETWORK PORT: BUILT-IN 10/100/1000BASET; NETWORK/USER PORT: BUILT-IN 10/100/1000BASET; USER PORTS 3?6: EMPTY SFP SLOTS
ETX-202/UTP/UTP/4UTP	4390470000	$	1,425.00	GIGABIT ETHERNET NETWORK TERMINATION UNIT, AC/DC; NETWORK PORT 1: BUILT-IN 10/100/1000BT; NETWORK PORT 2: BUILT-IN 10/100/1000BT; USER PORTS 3-6: 10/100/1000BASET USER INTERFACE
ETX-202A/H/ACR/NULL/NULL/4UTP	4020890000	$	3,004.00	CARRIER ETHERNET DEMARCATION DEVICE, HARDENED ENCLOSURE, REDUNDANT AC POWER SUPPLY, EMPTY SFP SLOT, 4 FE UTP PORTS, 4 FE UTP PORTS 10/100/1000BASET
ETX-202A/H/ACR/UTP/UTP/4UTP	4020920000	$	3,004.00	CARRIER ETHERNET DEMARCATION DEVICE, HARDENED ENCLOSURE, REDUNDANT AC POWER SUPPLY, UTP ETHERNET PORT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 4 FE UTP PORTS 10/100/1000BASET
ETX-202A/H/DCR/NULL/NULL/1NULL3UTP	4020210000	$	3,131.00	CARRIER ETHERNET DEMARCATION DEVICE, HARDENED ENCLOSURE, REDUNDANT DC POWER SUPPLY, EMPTY SFP SLOT, 4 FE UTP PORTS, 4 FE UTP PORTS: 1 USER PORT WITH EMPTY SFP SLOT, 3
ETX-202A/H/DCR/NULL/NULL/4NULL	4020220000	$	3,131.00	GIGABIT ETHERNET NETWORK TERMINATION UNIT, HARDENED ENCLOSURE, REDUNDANT DC POWER SUPPLY, EMPTY SFP SLOT, 4 FE UTP PORTS, 4 USER PORTS WITH EMPTY SFP SLOT
ETX-202A/H/DCR/NULL/NULL/4UTP	4020100000	$	3,131.00	GIGABIT ETHERNET NETWORK TERMINATION UNIT, HARDENED ENCLOSURE, REDUNDANT DC POWER SUPPLY, EMPTY SFP SLOT, 4 FE UTP PORTS, 4 FE UTP PORTS 10/100/1000BASET
ETX-202A/H/DCR/NULL/UTP/1NULL3UTP	4020110000	$	3,131.00	GIGABIT ETHERNET NETWORK TERMINATION UNIT, HARDENED ENCLOSURE, REDUNDANT DC POWER SUPPLY, EMPTY SFP SLOT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 4 FE UTP PORTS: 1 USER PORT WITH EMPTY SFP SLOT, 3 10/100/1000BT UTP PORTS
ETX-202A/NULL/NULL/1UTP	4020260000	$	1,891.00	GIGABIT ETHERNET NETWORK TERMINATION UNIT, EMPTY SFP SLOT, 4 FE UTP PORTS, 1 10/100/1000BT UTP PORT
ETX-202A/NULL/NULL/2NULL2UTP	4020250000	$	1,865.00	GIGABIT ETHERNET NETWORK TERMINATION UNIT, EMPTY SFP SLOT, 4 FE UTP PORTS, 2 USER PORTS WITH EMPTY SFP SLOT, 2 10/100/1000BT UTP PORTS
ETX-202A/NULL/NULL/4NULL	4020120000	$	1,865.00	GIGABIT ETHERNET NETWORK TERMINATION UNIT, EMPTY SFP SLOT, 4 FE UTP PORTS, 4 USER PORTS WITH EMPTY SFP SLOT
ETX-202A/NULL/NULL/4UTP	4020090000	$	1,865.00	GIGABIT ETHERNET NETWORK TERMINATION UNIT, EMPTY SFP SLOT, 4 FE UTP PORTS, 4 FE UTP PORTS 10/100/1000BASET
ETX-202A/WRDC/NULL/NULL/4NULL	4020130000	$	2,270.00	GIGABIT ETHERNET NETWORK TERMINATION UNIT, WIDE-RANGE DC POWER SUPPLY, EMPTY SFP SLOT, 4 FE UTP PORTS, 4 USER PORTS WITH EMPTY SFP SLOT
ETX-202H/NULL/NULL/1NULLUTP	1670180000	$	1,540.00	BASIC ETHERNET DEMARCATION DEVICE, TEMPERATURE-HARDENED ENCLOSURE; NETWORK PORT: EMPTY SFP SLOT; NETWORK/USER PORT: EMPTY SFP SLOT; USER PORT: PORT 3 EMPTY SFP SLOT, PORT 4 1 BUILT-IN 10/100/1000BASET PORT (RJ-45 CONNECTOR)
ETX-202H/NULL/NULL/1UTP	1670080000	$	1,540.00	BASIC ETHERNET DEMARCATION DEVICE, TEMPERATURE-HARDENED ENCLOSURE; NETWORK PORT: EMPTY SFP SLOT; NETWORK/USER PORT: EMPTY SFP SLOT; USER PORT 3: 1 BUILT-IN 10/100/1000BASET PORT (RJ-45 CONNECTOR)
ETX-202H/NULL/NULL/4UTP	1670090000	$	1,760.00	BASIC ETHERNET DEMARCATION DEVICE, TEMPERATURE-HARDENED ENCLOSURE; NETWORK PORT: EMPTY SFP SLOT; NETWORK/USER PORT: EMPTY SFP SLOT; USER PORTS 3-6: 4 BUILT-IN 10/100/1000BASET PORTS (RJ-45 CONNECTOR)
ETX-203A/1SFP1UTP/2UTP	5300050000	$	850.00	CARRIER ETHERNET DEMARCATION DEVICE, 1 SFP ETHERNET SLOT, 1 UTP ETHERNET PORT, 2 UTP ETHERNET PORTS
ETX-203A/2SFP/2UTP	5300060000	$	850.00	CARRIER ETHERNET DEMARCATION DEVICE, 2 SFP ETHERNET PORTS, 2 UTP ETHERNET PORTS
ETX-203A/GE/1SFP1UTP/2UTP	5300070000	$	1,000.00	CARRIER ETHERNET DEMARCATION DEVICE, 1 GBPS PER PORT, 1 SFP ETHERNET SLOT, 1 UTP ETHERNET PORT, 2 UTP ETHERNET PORTS
ETX-203A/GE/2SFP/2UTP	5300080000	$	1,000.00	CARRIER ETHERNET DEMARCATION DEVICE, 1 GBPS PER PORT, 2 SFP ETHERNET PORTS, 2 UTP ETHERNET PORTS
ETX-203A/GE30/1SFP1UTP/2UTP	5300090000	$	1,155.00	CARRIER ETHERNET DEMARCATION DEVICE, 1 GBPS PER PORT, 30 SHAPED EVCS, 1 SFP ETHERNET SLOT, 1 UTP ETHERNET PORT, 2 UTP ETHERNET PORTS
ETX-203A/GE30/2SFP/2SFP	5300130000	$	1,265.00	CARRIER ETHERNET DEMARCATION DEVICE, 1 GBPS PER PORT, 30 SHAPED EVCS, 2 SFP ETHERNET PORTS, 2 SFP ETHERNET PORTS
ETX-203A/GE30/2SFP/2UTP	5300100000	$	1,155.00	CARRIER ETHERNET DEMARCATION DEVICE, 1 GBPS PER PORT, 30 SHAPED EVCS, 2 SFP ETHERNET PORTS, 2 UTP ETHERNET PORTS
ETX-203A_SW/GE	5300110000	$	317.00	ETX-203A SOFTWARE PACKAGE, 1 GBPS PER PORT
ETX-203A_SW/GE30	5300120000	$	385.00	ETX-203A SOFTWARE PACKAGE, 1 GBPS PER PORT, 30 SHAPED EVCS
ETX-203AM/AC/2ETH/2SFP2UTP	6660080000	$	913.00	CARRIER ETHERNET DEMARCATION DEVICE, 100-240 VAC, 2 ETHERNET COMBO PORTS, 2 SFP ETHERNET PORTS, 2 UTP ETHERNET PORTS
ETX-203AM/AC/2ETH/2UTP2SFP	6660080000	$	913.00	100-240 VAC, 2 ETHERNET COMBO PORTS, 2 UTP ETHERNET PORTS, 2 SFP ETHERNET PORTS
ETX-203AM/AC/2ETH/4UTP	6660090000	$	913.00	100-240 VAC, 2 ETHERNET COMBO PORTS, 4 FE UTP PORTS 10/100/1000BASET

ETX-203AM/AC/4E1T1/4UTP	6660110000	$	1,034.00	CARRIER ETHERNET DEMARCATION DEVICE, 100-240 VAC, 4 E1/T1 PORTS, 4 ETHERNET UTP PORTS
ETX-203AM/AC/4UTP	6660120000	$	770.00	100-240 VAC, 4 FE UTP PORTS 10/100/1000BASET
ETX-203AM/AC/GE/1T3/4UTP	6660140000	$	1,639.00	CARRIER ETHERNET DEMARCATION DEVICE, 100-240 VAC, 1 GBPS PER PORT, 1 T3, 4 ETHERNET UTP PORTS
ETX-203AM/AC/GE/2SFP2UTP	6660630000	$	1,045.00	CARRIER ETHERNET DEMARCATION DEVICE, 100-240 VAC, 1 GBPS PER PORT, 2 SFP ETHERNET PORTS, 2 UTP ETHERNET PORTS
ETX-203AM/AC/GE/2T3/4UTP	6660390000	$	1,815.00	CARRIER ETHERNET DEMARCATION DEVICE, 100-240 VAC,
ETX-203AM/AC/GE/4E1T1/2SFP2UTP	6661230000	$	1,309.00	CARRIER ETHERNET DEMARCATION DEVICE, 100-240 VAC, 1 GBPS PER PORT, 4 E1/T1 PORTS, 2 SFP ETHERNET PORTS, 2 UTP ETHERNET PORTS
ETX-203AM/AC/GE30/2ETH/2SFP2UTP	6660170000	$	1,298.00	CARRIER ETHERNET DEMARCATION DEVICE, 100-240 VAC, 1 GBPS PER PORT, 30 SHAPED EVCS, 2 ETHERNET COMBO PORTS, 2 SFP ETHERNET PORTS, 2 UTP ETHERNET PORTS
ETX-203AM/AC/GE30/2ETH/2UTP2SFP	6660170000	$	1,298.00	100-240 VAC, 1 GBPS PER PORT, 30 SHAPED EVCS, 2 ETHERNET COMBO PORTS, 2 UTP ETHERNET PORTS, 2 SFP ETHERNET PORTS
ETX-203AM/AC/GE30/2ETH/4UTP	6660180000	$	1,298.00	CARRIER ETHERNET DEMARCATION DEVICE, 100-240 VAC, 1 GBPS PER PORT, 30 SHAPED EVCS, 2 ETHERNET COMBO PORTS, 4 ETHERNET UTP PORTS
ETX-203AM/AC/GE30/8E1T1/4UTP	6661110000	$	1,595.00	CARRIER ETHERNET DEMARCATION DEVICE, 100-240 VAC, 1 GBPS PER PORT, 30 SHAPED EVCS, 8 E1/T1 PORTS, 4 ETHERNET UTP PORTS
ETX-203AM/AC/SH8W/4UTP	6660560000	$	1,100.00	100-240 VAC, SHDSL 8-WIRE, 4 FE UTP PORTS 10/100/1000BASET
ETX-203AM/DC/8E1T1/4UTP	6660620000	$	1,276.00	CARRIER ETHERNET DEMARCATION DEVICE, DC, 8 E1/T1 PORTS, 4 ETHERNET UTP PORTS
ETX-203AX/1SFP1UTP/2UTP2SFP	6660950000	$	759.00	CARRIER ETHERNET DEMARCATION WITH FIXED AND MODULAR UPLINK, 1 SFP ETHERNET SLOT, 1 UTP ETHERNET PORT, 2 UTP ETHERNET PORTS, 2 SFP ETHERNET PORTS
ETX-203AX/2SFP/2UTP2SFP	6660010000	$	660.00	CARRIER ETHERNET DEMARCATION WITH FIXED AND MODULAR UPLINK, 2 SFP ETHERNET PORTS, 2 UTP ETHERNET PORTS, 2 SFP ETHERNET PORTS
ETX-203AX/2SFP/4UTP	6660020000	$	660.00	CARRIER ETHERNET DEMARCATION WITH FIXED AND MODULAR UPLINK, 2 SFP ETHERNET PORTS, 4 FE UTP PORTS
ETX-203AX/2UTP/4UTP	6660670000	$	759.00	CARRIER ETHERNET DEMARCATION WITH FIXED AND MODULAR UPLINK, 2 UTP ETHERNET PORTS, 4 ETHERNET UTP PORTS
ETX-203AX/GE/1SFP1UTP/2UTP2SFP	6660960000	$	1,076.00	CARRIER ETHERNET DEMARCATION WITH FIXED AND MODULAR UPLINK, 1 GBPS PER PORT, 1 SFP ETHERNET SLOT, 1 UTP ETHERNET PORT, 2 UTP ETHERNET PORTS, 2 SFP ETHERNET PORTS
ETX-203AX/GE/1SFP1UTP/4UTP	6660780000	$	982.00	CARRIER ETHERNET DEMARCATION WITH FIXED AND MODULAR UPLINK, 1 GBPS PER PORT, 1 SFP ETHERNET SLOT, 1 UTP ETHERNET PORT, 4 FE UTP PORTS 10/100/1000BASET
ETX-203AX/GE/2SFP/2UTP2SFP	6660030000	$	935.00	CARRIER ETHERNET DEMARCATION WITH FIXED AND MODULAR UPLINK, 1 GBPS PER PORT, 2 SFP ETHERNET PORTS, 2 UTP ETHERNET PORTS, 2 SFP ETHERNET PORTS
ETX-203AX/GE/2SFP/4SFP	6660590000	$	1,076.00	CARRIER ETHERNET DEMARCATION WITH FIXED AND MODULAR UPLINK, 1 GBPS PER PORT, 2 SFP ETHERNET PORTS, 4 EMPTY SFP SLOTS
ETX-203AX/GE/2SFP/4UTP	6660040000	$	935.00	CARRIER ETHERNET DEMARCATION WITH FIXED AND MODULAR UPLINK, 1 GBPS PER PORT, 2 SFP ETHERNET PORTS, 4 FE UTP PORTS 10/100/1000BASET
ETX-203AX/GE30/2SFP/2UTP2SFP	6660050000	$	1,045.00	CARRIER ETHERNET DEMARCATION WITH FIXED AND MODULAR UPLINK, 1 GBPS PER PORT, 30 SHAPED EVCS, 2 SFP ETHERNET PORTS, 2 UTP ETHERNET PORTS, 2 SFP ETHERNET PORTS
ETX-203AX/GE30/2SFP/4UTP	6660060000	$	1,045.00	CARRIER ETHERNET DEMARCATION WITH FIXED AND MODULAR UPLINK, 1 GBPS PER PORT, 30 SHAPED EVCS, 2 SFP ETHERNET PORTS, 4 FE UTP PORTS 10/100/1000BASET
ETX-203AX-SW/GE	6660510000	$	275.00	ETX-203AX-SW/GE
ETX-204A/24DCR	2543070000	$	2,587.00	CARRIER ETHERNET DEMARCATION DEVICE WITH FLEXIBLE CORE, REDUNDANT 24 VDC POWER SUPPLY
ETX-204A/24DCR/H/4	2542760000	$	3,473.00	CARRIER ETHERNET DEMARCATION DEVICE WITH FLEXIBLE CORE, REDUNDANT 24 VDC POWER SUPPLY, HARDENED ENCLOSURE, 4 ETH USER PORTS
ETX-204A/AC	2540800000	$	1,645.00	CARRIER ETHERNET DEMARCATION DEVICE, 100-240 VAC
ETX-204A/AC/19/4	2540780000	$	2,397.00	CARRIER ETHERNET DEMARCATION DEVICE, 100-240 VAC, 19" METAL BOX, 4 ETH USER PORTS
ETX-204A/AC/19/4/SYE	2540980000	$	2,903.00	CARRIER ETHERNET DEMARCATION DEVICE, 100-240 VAC, 19" METAL BOX, 4 ETH USER PORTS, SYNC ETHERNET
ETX-204A/AC/19/SYE	2540960000	$	2,305.00	CARRIER ETHERNET DEMARCATION DEVICE, 100-240 VAC, 19" METAL BOX, SYNC ETHERNET
ETX-204A/AC/4	2540820000	$	1,865.00	CARRIER ETHERNET DEMARCATION DEVICE, 100-240 VAC, 4 ETH USER PORTS
ETX-204A/AC/4/SYE	2540970000	$	2,650.00	CARRIER ETHERNET DEMARCATION DEVICE, 100-240 VAC, 4 ETH USER PORTS, SYNC ETHERNET
ETX-204A/AC/H/4	2540300000	$	2,776.00	CARRIER ETHERNET DEMARCATION DEVICE, 100-240 VAC, HARDENED ENCLOSURE, 4 ETH USER PORTS
ETX-204A/ACR/4	2540860000	$	2,217.00	CARRIER ETHERNET DEMARCATION DEVICE, REDUNDANT AC POWER SUPPLY, 4 ETH USER PORTS
ETX-204A/ACR/H/4	2540520000	$	3,181.00	CARRIER ETHERNET DEMARCATION DEVICE, REDUNDANT AC POWER SUPPLY, HARDENED ENCLOSURE, 4 ETH USER PORTS
ETX-204A/DC	2540870000	$	2,017.00	CARRIER ETHERNET DEMARCATION DEVICE, DC
ETX-204A/DC/19/4	2540890000	$	2,523.00	CARRIER ETHERNET DEMARCATION DEVICE, DC, 19" METAL BOX, 4 ETH USER PORTS
ETX-204A/DC/4	2540900000	$	1,975.00	CARRIER ETHERNET DEMARCATION DEVICE, DC, 4 ETH USER PORTS
ETX-204A/DCR	2540940000	$	2,523.00	CARRIER ETHERNET DEMARCATION DEVICE, REDUNDANT DC POWER SUPPLY
ETX-204A/DCR/4	2540950000	$	2,776.00	CARRIER ETHERNET DEMARCATION DEVICE, REDUNDANT DC POWER SUPPLY, 4 ETH USER PORTS
ETX-204A/DCR/4/SYE	2541890000	$	3,282.00	CARRIER ETHERNET DEMARCATION DEVICE, REDUNDANT DC POWER SUPPLY, 4 ETH USER PORTS, SYNC ETHERNET
ETX-204A/DCR/H/4	2540540000	$	2,965.00	CARRIER ETHERNET DEMARCATION DEVICE, REDUNDANT DC POWER SUPPLY, HARDENED ENCLOSURE, 4 ETH USER PORTS
ETX-204A/DCR/H/4/SYE	2541900000	$	3,915.00	CARRIER ETHERNET DEMARCATION DEVICE, REDUNDANT DC POWER SUPPLY, HARDENED ENCLOSURE, 4 ETH USER PORTS, SYNC ETHERNET
ETX-204A_DTAG_PS/DC	4020910000	$	594.00	SWAPPABLE POWER SUPPLY FOR ETX-204A FOR DTA, DC
ETX-204A-PS/AC	5270030000	$	446.00	SWAPPABLE POWER SUPPLY FOR ETX-202A, 100-240 VAC
ETX-204A-PS/DC	5270260000	$	683.00	SWAPPABLE POWER SUPPLY FOR ETX-204A, DC
ETX-205A/AC/19	5270210000	$	1,529.00	CARRIER ETHERNET DEMARCATION DEVICE, 100-240 VAC, 19" METAL BOX
ETX-205A/AC/19/4E1T1/PTP	5270560000	$	3,229.00	CARRIER ETHERNET DEMARCATION DEVICE, 100-240 VAC, 19" METAL BOX, 4 E1/T1 PORTS, 1588V2 TIMING & SYNC-E
ETX-205A/AC/19/8E1T1	5270490000	$	2,684.00	CARRIER ETHERNET DEMARCATION DEVICE, 100-240 VAC,
ETX-205A/AC/19/8E1T1/PTP	5270570000	$	3,449.00	CARRIER ETHERNET DEMARCATION DEVICE, 100-240 VAC, 19" METAL BOX, 8 E1/T1 PORTS, 1588V2 TIMING & SYNC-E
ETX-205A/AC/19/PTP	5270700000	$	2,294.00	CARRIER ETHERNET DEMARCATION DEVICE, 100-240 VAC, 19" METAL BOX, 1588V2 TIMING & SYNC-E
ETX-205A/AC/19/SYE	5270050000	$	1,854.00	CARRIER ETHERNET DEMARCATION DEVICE, 100-240 VAC, 19" METAL BOX, SYNC-E
ETX-205A/ACR/19	5270290000	$	1,788.00	CARRIER ETHERNET DEMARCATION DEVICE, REDUNDANT AC POWER SUPPLY, 19" METAL BOX
ETX-205A/ACR/19/4E1T1	5270500000	$	2,723.00	CARRIER ETHERNET DEMARCATION DEVICE, REDUNDANT AC POWER SUPPLY, 19" METAL BOX, 4 E1/T1 PORTS
ETX-205A/ACR/19/4E1T1/PTP	5270580000	$	3,487.00	CARRIER ETHERNET DEMARCATION DEVICE, REDUNDANT AC POWER SUPPLY, 19" METAL BOX, 4 E1/T1 PORTS, 1588V2 TIMING & SYNC-E
ETX-205A/ACR/19/SYE	5270390000	$	2,112.00	CARRIER ETHERNET DEMARCATION DEVICE, REDUNDANT AC POWER SUPPLY, 19" METAL BOX, SYNC-E
ETX-205A/DC/19/8E1T1	5270530000	$	2,767.00	CARRIER ETHERNET DEMARCATION DEVICE, DC, 19" METAL
ETX-205A/DC/19/PTP	5270400000	$	2,376.00	CARRIER ETHERNET DEMARCATION DEVICE, DC, 19" METAL BOX, 1588V2 TIMING & SYNC-E
ETX-205A/DC/19/SYE	5270240000	$	1,936.00	CARRIER ETHERNET DEMARCATION DEVICE, DC, 19" METAL BOX, SYNC-E
ETX-205A/DCR/19	5270310000	$	1,920.00	CARRIER ETHERNET DEMARCATION DEVICE, REDUNDANT DC POWER SUPPLY, 19" METAL BOX
ETX-205A/DCR/19/4E1T1	5270540000	$	2,855.00	CARRIER ETHERNET DEMARCATION DEVICE, REDUNDANT DC POWER SUPPLY, 19" METAL BOX, 4 E1/T1 PORTS

ETX-205A/DCR/19/4E1T1/PTP	5270620000	$	3,619.00	CARRIER ETHERNET DEMARCATION DEVICE, REDUNDANT DC POWER SUPPLY, 19" METAL BOX, 4 E1/T1 PORTS, 1588V2 TIMING & SYNC-E
ETX-205A/DCR/19/SYE	5270250000	$	2,244.00	CARRIER ETHERNET DEMARCATION DEVICE, REDUNDANT DC POWER SUPPLY, 19" METAL BOX, SYNC-E
ETX-205A/H/AC/19/8E1T1	5271150000	$	3,593.00	CARRIER ETHERNET DEMARCATION DEVICE, HARDENED ENCL
ETX-205A/H/DCR/19/4E1T1/PTP	5270790000	$	4,668.00	CARRIER ETHERNET DEMARCATION DEVICE, HARDENED ENCL
ETX-205A/H/DCR/19/PTP	5270270000	$	3,593.00	CARRIER ETHERNET DEMARCATION DEVICE, HARDENED ENCLOSURE, REDUNDANT DC POWER SUPPLY, 19" METAL BOX, 1588V2 TIMING & SYNC-E
ETX-205A/H/DCR/19/SYE	5270280000	$	3,087.00	ETH DEMARCATION DEVICE, HARDENED ENCL RED PS 19" METAL BOX, SYNC-E
ETX-205A-PS/AC	5270190000	$	348.00	SWAPPABLE POWER SUPPLY FO, AC
ETX-205A-PS/DC	5270200000	$	442.00	SWAPPABLE POWER SUPPLY FOR ETX-205A, DC
ETX-220A/ACR/2XFP/20S/PTP/ESK	5600510000	$	10,538.00	10G CARRIER ETHERNET DEMARCATION/AGGREGATION DEVIC
ETX-220A-PS/N/DC	5270850000	$	715.00	POWER SUPPLY FOR VERSION 5.0 AND ABOVE, VER. 5.0 A
ETX-26/GESFP/2GESFP	5280140000	$	1,265.00	ETHERNET ACCESS SWITCH, GIGABIT ETHERNET PORT, SFP INTERFACE, 2 GIGABIT ETHERNET PORTS, SFP INTERFACE
ETX-26/GESFP/2GEUTP	5280160000	$	1,455.00	ETHERNET ACCESS SWITCH, GIGABIT ETHERNET PORT, SFP INTERFACE, 2 GIGABIT ETHERNET PORTS, UTP INTERFACE
ETX-5300A/AC	5700040000	$	7,370.00	10GBE REDUNDANT CARRIER ETHERNET PLATFORM, AC
ETX-5300A/ACR	5700060000	$	10,428.00	10GBE REDUNDANT CARRIER ETHERNET PLATFORM, REDUNDANT AC POWER SUPPLY
ETX-5300A/DC	5700070000	$	5,478.00	ETHERNET SERVICE AGGREGATION PLATFORM, DC
ETX-5300A/DCR	5700080000	$	6,006.00	10GBE REDUNDANT CARRIER ETHERNET PLATFORM, 24/48 VDC PS RDNT IN 19 INCH, 1U ENCLOSURE
ETX-5300A-AF	6170090000	$	152.00	ETX-5300A AIR FILTER
ETX-5300A-ETH/20XGE/SFP	6170060000	$	8,250.00	ETX-5300A ETHERNET IO SERVICE CARD, 20 GBE PORTS, EMPTY SFP SLOT
ETX-5300A-ETH/20XGE/SFP/H	6170160000	$	11,715.00	ETX-5300A ETHERNET IO SERVICE CARD, 20 GBE PORTS, EMPTY SFP SLOT, HARDENED ENCLOSURE
ETX-5300A-ETH/20XGE/UTP	6170170000	$	8,690.00	ETX-5300A ETHERNET IO SERVICE CARD, 20 GBE PORTS, UTP PORT
ETX-5300A-ETH/2X10GE/XFP	6170050000	$	8,580.00	ETX-5300A ETHERNET IO SERVICE CARD, 2 10GBE OPTICAL PORTS, EMPTY XFP SLOT
ETX-5300A-FAN	6170010000	$	1,202.00	ETX-5300A FAN UNIT
ETX-5300A-MC/4XFP/AT	6170210000	$	12,606.00	ETX-5300A MAIN CARD, QUAD 10GBE XFP PORT, ADVANCED TIMING CAPABILITIES, 1588V2 MASTER MODE & SYNCTOP
ETX-5300A-MC/4XFP/AT/H	6170140000	$	17,002.00	ETX-5300A MAIN CARD, QUAD 10GBE XFP PORT, ADVANCED TIMING CAPABILITIES, 1588V2 MASTER MODE & SYNCTOP, HARDENED ENCLOSURE
ETX-5300A-MS/CH/S4	6170120000	$	9,020.00	ETX-5300A MULTISERVICE I/O CARD, CHANNELIZED, 4 STM-1/OC-3 PORTS
ETX-5300A-PS/DC	6170080000	$	495.00	ETX-5300A POWER SUPPLY UNIT, DC
ETX-M/2ETH	6680010000	$	160.00	ETX MODULE, 2 ETHERNET COMBO PORTS
ETX-M/2T3	6680130000	$	792.00	ETX MODULE, 2 T3
ETX-M/SH4W	6680020000	$	242.00	ETX MODULE, SHDSL 4-WIRE
FCD-155/AC/2U	1801510000	$	3,289.00	ETH O/ SDH TERM MUXAC, 2U
FCD-155/AC/2U/4T1	1801830000	$	3,985.00	STM-1/OC-3 TERMINAL MULTIPLEXER, 100-240 VAC, 2 BRIDGING 10/100BASET PORTS, 4 T1 PORTS
FCD-155E/48/R/6U	4600650000	$	4,428.00	STM-1/OC-3 ADD/DROP MULTIPLEXER, REDUNDANT -48 VDC POWER SUPPLY, 6 10/100BASET ETHERNET USER PORTS
FCD-155E/48/R/6U/8T1	4600750000	$	5,212.00	STM-1/OC-3 ADD/DROP MULTIPLEXER, REDUNDANT -48 VDC POWER SUPPLY, 6 10/100BASET ETHERNET USER PORTS, 8 T1 PORTS
FCD-155E/48/R/GE	4600640000	$	4,934.00	STM-1/OC-3 ADD/DROP MULTIPLEXER, REDUNDANT -48 VDC POWER SUPPLY, 10/100/1000 BASET ETHERNET USER PORT
FCD-155E/48R/2U/21E1	4600610000	$	7,173.00	STM-1/OC-3 ADD/DROP MULTIPLEXER, REDUNDANT -48 VDC POWER SUPPLY, 2 BRIDGING 10/100BASET PORTS, 21 E1 PORTS
FCD-155E/48R/2U/28T1T3	4601390000	$	6,199.00	STM-1/OC-3 ADD/DROP MULTIPLEXER, REDUNDANT -48 VDC POWER SUPPLY, 2 BRIDGING 10/100BASET PORTS, 28 T1 AND 1 T3 PORTS
FCD-155E/48R/2U/8T1	4601100000	$	5,085.00	STM-1/OC-3 ADD/DROP MULTIPLEXER, REDUNDANT -48 VDC POWER SUPPLY, 2 BRIDGING 10/100BASET PORTS, 8 T1 PORTS
FCD-155E/48R/6U/21E1E3	4600830000	$	8,368.00	STM-1/OC-3 ADD/DROP MULTIPLEXER, REDUNDANT -48 VDC POWER SUPPLY, 6 10/100BASET ETHERNET USER PORTS, 21 E1 AND 1 E3 PORTS
FCD-155E/48R/6U/28T1	4600560000	$	5,566.00	STM-1/OC-3 ADD/DROP MULTIPLEXER, REDUNDANT -48 VDC POWER SUPPLY, 6 10/100BASET ETHERNET USER PORTS, 28 T1 PORTS
FCD-155E/48R/6U/T3	4600590000	$	5,124.00	STM-1/OC-3 ADD/DROP MULTIPLEXER, REDUNDANT -48 VDC POWER SUPPLY, 6 10/100BASET ETHERNET USER PORTS, T3 PORT
FCD-155E/48R/GE/21E1T3	4601260000	$	9,051.00	STM-1/OC-3 NG ADM,48VDC REDUNDANT,1 10/100/1000 BASET ETHERNET USER PORT,21 E1 AND 1 T3 PORTS
FCD-155E/AC/2U/28T1	4600120000	$	4,681.00	STM-1/OC-3 ADD/DROP MULTIPLEXER, 100-240 VAC, 2 BRIDGING 10/100BASET PORTS, 28 T1 PORTS
FCD-155E/AC/2U/8T1	4601000000	$	4,326.00	STM-1/OC-3 ADD/DROP MULTIPLEXER, 100-240 VAC, 2 BRIDGING 10/100BASET PORTS, 8 T1 PORTS
FCD-155E/AC/6U/21E1E3	4600790000	$	7,344.00	STM-1/OC-3 ADD/DROP MULTIPLEXER, 100-240 VAC, 6 10/100BASET ETHERNET USER PORTS, 21 E1 AND 1 E3 PORTS
FCD-155E/AC/6U/28T1	4601280000	$	4,807.00	STM-1/OC-3 ADD/DROP MULTIPLEXER, 100-240 VAC, 6 10/100BASET ETHERNET USER PORTS, 28 T1 PORTS
FCD-155E/AC/GE/8T1	4600000000	$	2,479.00	STM-1/OC-3 ADD/DROP MULTIPLEXER, 100-240 VAC, 10/1
FCD-155E/AC/R/6U/28T1	4600130000	$	5,060.00	STM-1/OC-3 ADD/DROP MULTIPLEXER, REDUNDANT AC POWER SUPPLY, 6 10/100BASET ETHERNET USER PORTS, 28 T1 PORTS
FCD-155E/AC/R/6U/8T1	4600180000	$	4,706.00	STM-1/OC-3 ADD/DROP MULTIPLEXER, REDUNDANT AC POWER SUPPLY, 6 10/100BASET ETHERNET USER PORTS, 8 T1 PORTS
FCD-155E/AC/R/GE	4600460000	$	4,428.00	STM-1/OC-3 ADD/DROP MULTIPLEXER, REDUNDANT AC POWER SUPPLY, 10/100/1000 BASET ETHERNET USER PORT
FCD-155E/ACR/2U/21E1E3	4601050000	$	7,514.00	STM-1/OC-3 ADD/DROP MULTIPLEXER, REDUNDANT AC POWER SUPPLY, 2 BRIDGING 10/100BASET PORTS, 21 E1 AND 1 E3 PORTS
FCD-155E/ACR/2U/28T1T3	4601150000	$	5,693.00	STM-1/OC-3 ADD/DROP MULTIPLEXER, REDUNDANT AC POWER SUPPLY, 2 BRIDGING 10/100BASET PORTS, 28 T1 AND 1 T3 PORTS
FCD-155E/ACR/2U/8E1	4600170000	$	6,182.00	STM-1/OC-3 ADD/DROP MULTIPLEXER, REDUNDANT AC POWER SUPPLY, 2 BRIDGING 10/100BASET PORTS, 8 E1 PORTS
FCD-155E/ACR/6U	4600730000	$	3,922.00	STM-1/OC-3 ADD/DROP MULTIPLEXER, REDUNDANT AC POWER SUPPLY, 6 10/100BASET ETHERNET USER PORTS
FCD-155E/ACR/6U/21E1	4600380000	$	6,661.00	STM-1/OC-3 ADD/DROP MULTIPLEXER, REDUNDANT AC POWER SUPPLY, 6 10/100BASET ETHERNET USER PORTS, 21 E1 PORTS
FCD-155E/ACR/6U/28T1T3	4601220000	$	5,819.00	STM-1/OC-3 ADD/DROP MULTIPLEXER, REDUNDANT AC POWER SUPPLY, 6 10/100BASET ETHERNET USER PORTS, 28 T1 AND 1 T3 PORTS
FCD-155E/ACR/6U/T3	4601040000	$	4,618.00	STM-1/OC-3 ADD/DROP MULTIPLEXER, REDUNDANT AC POWER SUPPLY, 6 10/100BASET ETHERNET USER PORTS, T3 PORT
FCD-155E/ACR/GE/T3	4600980000	$	5,124.00	STM-1/OC-3 ADD/DROP MULTIPLEXER, REDUNDANT AC POWER SUPPLY, 10/100/1000 BASET ETHERNET USER PORT, T3 PORT
FCD-155E/ACR/GE/T3	4600980000	$	5,124.00	STM-1/OC-3 ADD/DROP MULTIPLEXER, REDUNDANT AC POWER SUPPLY, 10/100/1000 BASET ETHERNET USER PORT, T3 PORT
FCD-155E-PS/48	4600450000	$	506.00	POWER SUPPLY MODULE, -48 VDC
FCD-155E-PS/AC	4600440000	$	253.00	POWER SUPPLY MODULE, 100-240 VAC
FCD-155-PACK1	9992070000	$	380.00	SOFTWARE KEY FOR ACTIVATING IP TUNNELING MANAGEMENT OPTION
FCD-E1E/2E1CX/UTP/V35	5590480000	$	1,316.00	MANAGED E1 OR FRACTIONAL E1 ACCESS UNIT, 2 E1 PORTS, UNBALANCED, COAX INTERFACE, UTP ETHERNET PORT, V.35
FCD-E1LC/530	3890110000	$	820.00	FE1/E1 NTU, 530 DATA USER INTERFACE
FCD-E1LC/530/530	3890530000	$	906.00	MANAGED E1 OR FRACTIONAL E1 ACCESS UNITS
FCD-E1LC/V35	3890030000	$	891.00	E1/FE1 ACCESS UNIT, V.35 INTERFACE
FCD-E1LC/V35/ETQN	3890040000	$	1,077.00	FE1/E1 NTU, V35 DATA USER INTERFACE,ETQN
FCD-E1LC/V35/S	3890010000	$	956.00	E1/FE1 ACCESS UNIT, V.35 INTERFACE, SUB-E1 PORT
FCD-E1LC/V35/S/V24	3890200000	$	1,043.00	E1/FE1 ACCESS UNIT, V.35 INTERFACE, SUB-E1 PORT, V.24 INTERFACE

FCD-E1LC/X21	3890140000	$	891.00	FE1/E1 NTU, X21 DATA USER INTERFACE
FCD-E1LC/X21/S	3890020000	$	956.00	FE1/E1 NTU, X21 DATA USER INTERFACE, SUB E1 PORT
FCD-E1LC/X21/S/ETQN	3890080000	$	1,213.00	E1/FE1 NTU, X.21 DATA USER INTERFACE, SUB E1 PORT, ETQN
FCD-IP/DC/E1/4U	6764770000	$	3,100.00	FE1/E1 NTU,DC, 4X10BT UTP
FCD-IP/DC/E1/ST13L/V24C/U/FXO	6765070000	$	5,250.00	TDM IAD,48VDC PS,E1 UPLINK,F/O CONN.1310 NM F/O I/
FCD-IP/DC/E1/ST13L/V24C/U/FXS	6765080000	$	5,250.00	TDM IAD,48VDC PS,E1 UPLINK,F/O CONN.1310 NM F/O I/
FCD-IP/DC/E1/U	6760350000	$	2,625.00	E1/FE1 ACCESS UNIT, ¿48 VDC, 10/100BASET ETHERNET INTERFACE, UTP INTERFACE
FCD-IP/DC/E1/U/2S	6764980000	$	3,575.00	TDM IAD,48VDC PS,E1 UPLINK,100BT UTP LAN I/F,2S E1
FCD-IP/DC/E1/U/S	6760370000	$	3,393.00	E1/FE1 NTU, -48 VDC, 10/100BASET ETHERNET INTERFACE, UTP INTERFACE, SUB-E1
FCD-IP/DC/E1/V35/CUS	6760660000	$	3,675.00	E1/FE1 NTU, -48 VDC, V.35 DCE INTERFACE, 10/100BASET ETHERNET INTERFACE, UTP INTERFACE, SUB-E1
FCD-IP/DC/T1/4U	6763070000	$	2,300.00	T1/FT1 CSU/DSU + UTP + SUB T1
FCD-IP/DC/T1/ST13L/B	6765530000	$	2,850.00	E1/T1 OR FRACTIONAL E1/T1 ACCESS UNIT WITH INTEGRATED ROUTER
FCD-IP/DC/T1/ST13L/V24C/U/FXS	6764430000	$	3,900.00	T1/FT1 NTU, DC, T1 UPLINK, 1310NM, V24C, UTP, 4XFXS
FCD-IP/DC/T1/ST15L/U/FXO	6765840000	$	4,100.00	E1/T1 OR FRACTIONAL E1/T1 ACCESS UNIT WITH INTEGRATED ROUTER
FCD-IP/DC/T1/ST15L/U/FXS	6765850000	$	4,100.00	E1/T1 OR FRACTIONAL E1/T1 ACCESS UNIT WITH INTEGRATED ROUTER
FCD-IP/DC/T1/U/E&M	6764330000	$	2,775.00	T1/FT1 NTU, DC, UTP, 4E&M
FCD-IP/DC/T1/V35C/2U	6766510000	$	1,983.00	T1/FT1 NTU, DC, T1, V35DCE, 2 UTP
FCD-IP/DC/T1/V35T/2U	6766520000	$	1,983.00	T1/FT1 NTU, DC, T1, V35DTE, 2UTP
FCD-IP/DC/T1/V36T/U	6762200000	$	2,150.00	T1/FT1 NTU, -48 VDC, V.36/RS449 DTE INTERFACE, 10/100BASET ETHERNET INTERFACE, UTP INTERFACE
FCD-IP/E1/2U	6762100000	$	2,825.00	E1/FE1 ACCESS UNIT, 100-240 VAC, 2 10BASET ETHERNET INTERFACES, UTP INTERFACES
FCD-IP/E1/4U	6763290000	$	2,925.00	E1/FE1 NTU, AC, 4XUTP
FCD-IP/E1/4U/FXS	6764800000	$	4,054.00	E1/FE1 NTU, AC, 4XUTP, 4FXS
FCD-IP/E1/SC13L/U/E&M	6763460000	$	4,800.00	E1/FE1 NTU, AC, SM 1310 NM, UTP, 4E&M
FCD-IP/E1/U	6762000000	$	2,444.00	E1/FE1 NTU, AC, UTP
FCD-IP/E1/U/E&M	6760270000	$	3,575.00	E1/FE1 ACCESS UNIT, 100-240 VAC, 10/100BASET ETHERNET INTERFACE, UTP INTERFACE, 4 ANALOG E&M INTERFACES
FCD-IP/E1/U/FXS	6760260000	$	3,575.00	E1/FE1 ACCESS UNIT, 100-240 VAC, 10/100BASET ETHERNET INTERFACE, UTP INTERFACE, 4 ANALOG FXS INTERFACES
FCD-IP/E1/U/S	6762010000	$	3,191.00	E1/FE1 NTU, 100-240 VAC, 10/100BASET ETHERNET INTERFACE, UTP INTERFACE, SUB-E1
FCD-IP/E1/V24C/U/S	6761920000	$	3,475.00	E1/FE1 NTU, 100-240 VAC, V.24 DCE INTERFACE, 10/100BASET ETHERNET INTERFACE, UTP INTERFACE, SUB-E1
FCD-IP/E1/V24C/UB	6765400000	$	3,100.00	E1/FT1 NTU, AC , V24 DCE, UTP
FCD-IP/E1/V24T/U	6760640000	$	2,725.00	E1/FE1 NTU, 100-240 VAC, V.24 DTE INTERFACE, 10/100BASET ETHERNET INTERFACE, UTP INTERFACE
FCD-IP/E1/V24T/UB	6765430000	$	3,100.00	E1/T1 OR FRACTIONAL E1/T1 ACCESS UNIT WITH INTEGRATED ROUTER
FCD-IP/E1/V35C/2U/S	6762220000	$	3,850.00	E1/FE1 NTU, 100-240 VAC, V.35 DCE INTERFACE, 2X10BASET ETHERNET INTERFACES, UTP INTERFACES, SUB-E1
FCD-IP/E1/V35T/2U/S	6761460000	$	3,850.00	E1/FE1 NTU, 100-240 VAC, V.35 DTE INTERFACE, 2X10BASET ETHERNET INTERFACES, UTP INTERFACES, SUB-E1
FCD-IP/T1/2U	6762410000	$	1,625.00	T1/FT1 NTU, AC, 2XUTP
				T1/FT1 NTU, AC, 2XUTP, 4E&M
FCD-IP/T1/2U/E&M	6763830000	$	2,475.00	
FCD-IP/T1/2U/FXS/S	6765630000	$	3,475.00	T1/FT1 NTU, AC, 2XUTP, 4FXS, SUB T1
FCD-IP/T1/4U/S	6766370000	$	2,262.00	E1/T1 OR FRACTIONAL E1/T1 ACCESS UNIT WITH INTEGRATED ROUTER, T1 PORT, 4 10/100BASET ETHERNET USER PORTS, SUB-E1/T1 PORT
FCD-IP/T1/530C/U	6760890000	$	2,025.00	E1/FE1 NTU, 100-240 VAC, RS-530 DCE INTERFACE, 10/100BASET ETHERNET INTERFACE, UTP INTERFACE
FCD-IP/T1/SC85/U/E&M	6765650000	$	3,050.00	T1/FT1 NTU,AC, UTP & 4E&M WITH A M/M FIBER UPLINK W/SC CONNECTORS
FCD-IP/T1/SC85/U/FXO	6766060000	$	2,600.00	T1/FT1 NTU,AC, UTP & 4FXO WITH A M/M FIBER UPLINK W/SC CONNECTORS
FCD-IP/T1/SC85/U/FXS	6766070000	$	2,600.00	T1/FT1 NTU,AC, UTP & 4FXS WITH A M/M FIBER UPLINK W/SC CONNECTORS
FCD-IP/T1/ST13L/U/E&M	6766500000	$	3,100.00	T1/FT1 NTU,AC, UTP & 4E&M WITH A S/M FIBER UPLINK W/ST CONNECTORS
FCD-IP/T1/ST13L/U/IBE	6765690000	$	2,725.00	T1/FT1 NTU,AC, UTP & ISDN S WITH A S/M FIBER UPLINK W/ST CONNECTORS
FCD-IP/T1/ST15L/U/FXO	6763660000	$	3,975.00	T1/FT1 NTU,AC, UTP & 4FXO WITH A S/M LONG HAUL FIBER UPLINK W/ST CONNECTORS
FCD-IP/T1/ST15L/U/FXS	6763650000	$	3,975.00	T1/FT1 NTU,AC, UTP & 4FXS WITH A S/M LONG HAUL FIBER UPLINK W/ST CONNECTORS
				T1/FT1 NTU,AC, UTP & 4E&M WITH A M/M FIBER UPLINK W/ST CONNECTORS
FCD-IP/T1/ST85/U/E&M	6763580000	$	2,650.00	
FCD-IP/T1/ST85/U/FXO	6763500000	$	2,650.00	T1/FT1 NTU,AC, UTP & 4FXO WITH A M/M FIBER UPLINK W/ST CONNECTORS
FCD-IP/T1/ST85/U/FXS	6763510000	$	2,650.00	T1/FT1 NTU,AC, UTP & 4FXS WITH A M/M FIBER UPLINK W/ST CONNECTORS
FCD-IP/T1/U	6762050000	$	1,350.00	E1/T1 OR FRACTIONAL E1/T1 ACCESS UNIT WITH INTEGRATED ROUTER, T1 PORT, UTP ETHERNET PORT
FCD-IP/T1/U/E&M	6760730000	$	2,200.00	E1/T1 OR FRACTIONAL E1/T1 ACCESS UNIT WITH INTEGRATED ROUTER, T1 PORT, UTP ETHERNET PORT, 4 E&M VOICE CHANNELS
FCD-IP/T1/U/FXO	6760720000	$	2,200.00	E1/T1 OR FRACTIONAL E1/T1 ACCESS UNIT WITH INTEGRATED ROUTER, T1 PORT, UTP ETHERNET PORT, 4 FXO VOICE CHANNELS
FCD-IP/T1/U/FXS	6760710000	$	2,200.00	E1/T1 OR FRACTIONAL E1/T1 ACCESS UNIT WITH INTEGRATED ROUTER, T1 PORT, UTP ETHERNET PORT, 4 FXS VOICE CHANNELS
FCD-IP/T1/U/S	6762060000	$	1,925.00	E1/T1 OR FRACTIONAL E1/T1 ACCESS UNIT WITH INTEGRATED ROUTER, T1 PORT, UTP ETHERNET PORT, SUB-E1/T1 PORT
FCD-IP/T1/V24C/U/E&M	6762970000	$	2,400.00	E1/T1 OR FRACTIONAL E1/T1 ACCESS UNIT WITH INTEGRATED ROUTER, T1 PORT, V.24/RS-232 (DCE) SERIAL PORT, UTP ETHERNET PORT, 4 E&M VOICE CHANNELS
FCD-IP/T1/V24T/U	6760820000	$	1,750.00	T1 INTEGRATED ACCESS DEVICE
FCD-IP/T1/V24T/U/S	6762070000	$	2,250.00	T1/FT1 NTU, AC, V.24 DTE, 10/100BT ETH. UTP, S.T1
FCD-IP/T1/V35C/4U/3S	6764270000	$	3,200.00	TDM IAD,E1,OPT. DCE/DTE I/F,4U,3S ,T1
FCD-IP/T1/V35C/U	6760760000	$	1,750.00	T1 INTEGRATED ACCESS DEVICE
FCD-IP/T1/V35C/U/E&M	6761950000	$	2,400.00	E1/T1 OR FRACTIONAL E1/T1 ACCESS UNIT WITH INTEGRATED ROUTER, T1 PORT, V35C V.35 (DCE) SERIAL PORT, UTP ETHERNET PORT, 4 E&M VOICE CHANNELS
FCD-IP/T1/V35C/U/FXO	6761930000	$	2,400.00	E1/T1 OR FRACTIONAL E1/T1 ACCESS UNIT WITH INTEGRATED ROUTER, T1 PORT, V35C V.35 (DCE) SERIAL PORT, UTP ETHERNET PORT, 4 FXO VOICE CHANNELS
FCD-IP/T1/V35C/U/FXS	6761940000	$	2,400.00	E1/T1 OR FRACTIONAL E1/T1 ACCESS UNIT WITH INTEGRATED ROUTER, T1 PORT, V35C V.35 (DCE) SERIAL PORT, UTP ETHERNET PORT, 4 FXS VOICE CHANNELS
FCD-IP/T1/V35T/4U/3S	6764280000	$	3,200.00	TDM IAD,E1,OPT. DCE/DTE I/F,4U,3S, T1
FCD-IPM/DC/T1/ST15L/U/FXO	6771130000	$	4,800.00	E1/T1 OR FRACTIONAL E1/T1 MODULAR ACCESS DEVICE WITH INTEGRATED ROUTER
FCD-IPM/DC/T1/ST15L/U/FXS	6771120000	$	4,801.00	E1/T1 OR FRACTIONAL E1/T1 MODULAR ACCESS DEVICE WITH INTEGRATED ROUTER
FCD-IPM/DC/T1/U/FXO	6771050000	$	3,475.00	E1/T1 OR FRACTIONAL E1/T1 MODULAR ACCESS DEVICE WITH INTEGRATED ROUTER

FCD-IPM/E1/U/S	6770020000	$	4,125.00	MODULAR TDM IAD, 100-240 VAC, E1/FE1 MAIN LINK, 10/100BASET ETHERNET INTERFACE, UTP INTERFACE, SUB-E1
FCD-IPM/E1/V24T/U	6770890000	$	3,675.00	E1/T1 OR FRACTIONAL E1/T1 MODULAR ACCESS DEVICE WITH INTEGRATED ROUTER
FCD-IPM/E1/V24T/U/S	6770160000	$	4,415.00	MODULAR TDM IAD, 100-240 VAC, E1/FE1 MAIN LINK, V.24 DTE INTERFACE, 10/100BASET ETHERNET INTERFACE, UTP INTERFACE, SUB-E1
FCD-IPM/T1/SC85/U	6771300000	$	2,888.00	MODULAR TDM IAD, T1 UPLINK, F/O CONN.850 NM F/O I/
FCD-IPM/T1/ST15L/U/FXO	6770730000	$	4,650.00	T1/FE1 NTU, AC, MM.1550 LASER, 10/100BT UTP,4 FXO
FCD-IPM/T1/ST15L/U/FXS	6770720000	$	4,658.00	T1/FE1 NTU, AC, MM.1550 LASER, 10/100BT UTP,4 FXS
FCD-IPM/T1/U	6770600000	$	2,500.00	MODULAR TDM IAD, T1 UPLINK,100BT BNC LAN INTERFACE
FCD-IPM/T1/U/E&M	6770750000	$	3,350.00	E1/FE1 NTU, AC, V.35 DTE, 10/100BT ETH. UTP, 4 FXS
FCD-IPM/T1/U/FXO	6770690000	$	3,350.00	E1/FE1 NTU, AC, V.35 DTE, 10/100BT ETH. UTP, 4 FXO
FCD-IPM/T1/U/FXS	6770500000	$	3,350.00	E1/FE1 NTU, AC, V.35 DTE, 10/100BT ETH. UTP, 4 FXS
FCD-IPM/T1/U/S	6770310000	$	3,048.00	MODULAR T1/FT1 ACCESS DEVICE, T1 UPLINK, 100-240 VAC, 100BASET UTP LAN INTERFACE, SUB-T1
FCD-IPM/T1/V35T/U/FXS	6770100000	$	3,550.00	MODULAR TDM IAD, 100-240 VAC, T1/FT1 MAIN LINK, V.35 DTE INTERFACE, 10/100BASET ETHERNET INTERFACES, UTP INTERFACE, 4 ANALOG FXS
FCD-IPM-M/S-2T1	6780180000	$	1,012.00	FCD-IPM-M//S-2T1
FCD-IPM-M/S-T1	6780190000	$	558.00	T1/FT1 ACCESS MODULE, SUB-T1 INTERFACES
FCD-IPM-M/VC4/530C/FXS	6780240000	$	1,177.00	MOD. FOR FCD-IPM, 4 ANALOG VOICE, RS-530, 4 X FXS
FCD-IPM-M/VC4/E&M	6780070000	$	660.00	ACCESS MODULE, 4-PORT E&M ANALOG VOICE
FCD-IPM-M/VC4/FXO	6780050000	$	978.00	ACCESS MODULE, 4-PORT FXO ANALOG VOICE
FCD-IPM-M/VC4/FXS	6780040000	$	949.00	ACCESS MODULE, 4-PORT FXS ANALOG VOICE
FCD-IPM-M/VC8/E&M	6780170000	$	1,668.00	ACCESS MODULE, 8-PORT E&M ANALOG VOICE
FCD-IPM-M/VC8/E&M/FXS	6780220000	$	1,708.00	E1/FE1 NTU, 8XANALOG VOICE MODULE, 4XE&M&4*FXS
FCD-IPM-M/VC8/FXO	6780030000	$	1,645.00	MODULE FOR FCD-IPM, 8 ANALOG FXO
FCD-IPM-M/VC8/FXS	6780010000	$	1,708.00	MODULE FOR FCD-IPM, 8 ANALOG FXS
FCD-T1LC/530	3900080000	$	607.00	MANAGED T1 OR FRACTIONAL T1 ACCESS UNITS
FCD-T1LC/530/530	3900070000	$	748.00	FE1/E1 NTU
FCD-T1LC/530/530/S	3900050000	$	850.00	T1/FT1 ACCESS UNIT, 2 RS-530 DATA PORTS, DROP-AND-INSERT T1 SUBLINK
FCD-T1LC/530/ETQN	3900040000	$	875.00	FE1/E1 NTU,530,ETQN
FCD-T1LC/530/S	3900090000	$	775.00	MANAGED T1 OR FRACTIONAL T1 ACCESS UNITS
FCD-T1LC/530/S/ETQN	3900150000	$	1,000.00	MANAGED E1/T1 OR FURACTIONAL E1/T1 ACCESS UNIT
FCD-T1LC/V35	3900010000	$	661.00	T1/FT1 ACCESS UNIT, V.35 DATA INTERFACE
FCD-T1LC/V35/ETQN	3900020000	$	863.00	T1/FT1 ACCESS UNIT, V.35 DATA INTERFACE, 10/100BASET BRIDGE, UTP INTERFACE, VLAN SUPPORT
FCD-T1LC/V35/S	3900030000	$	775.00	FE1/E1 NTU, V35,OPTIONAL SUB E1PORT
FCD-T1LC/V35/S/ETQN	3890170000	$	1,000.00	FT1/T1 NTU, 2V35 DATA USER INTERFACE, SUB T1 PORT
FCD-T1LC/V35/V24	3900110000	$	750.00	MANAGED T1 OR FRACTIONAL T1 ACCESS UNITS
FCD-T1LC/V35/V35	3900180000	$	997.00	MANAGED E1/T1 OR FURACTIONAL E1/T1 ACCESS UNIT,2*V35 DATA USER INTERFACE
FCD-T1LC/X21	3900060000	$	675.00	FE1/E1 NTU, X21
FCD-T1LC/X21/S	3900120000	$	776.00	MANAGED T1 OR FRACTIONAL T1 ACCESS UNITS
FOM-20/115/FC13L/V24	3120170000	$	1,430.00	FIBER OPTIC MODEM, 115 VAC, 1310 NM SINGLE MODE LASER, FC CONNECTOR, V.24 INTERFACE
FOM-20/115/FC85/V24	3120130000	$	963.00	FIBER OPTIC MODEM, 115 VAC, 850 NM MULTIMODE VCSEL, FC CONNECTOR, V.24 INTERFACE
FOM-20/115/SC13L/703/RJ	3122040000	$	2,200.00	FIBER OPTIC MODEM, 115 VAC, 1310 NM SINGLE MODE LASER, SC CONNECTOR, G.703 CODIRECTIONAL (64 KBPS), RJ-45
FOM-20/115/SC13L/V24	3121660000	$	1,430.00	FIBER OPTIC MODEM, 115 VAC, 1310 NM SINGLE MODE LASER, SC CONNECTOR, V.24 INTERFACE
FOM-20/115/SC13L/V35	3120750000	$	1,430.00	FIBER OPTIC MODEM, 115 VAC, 1310 NM SINGLE MODE LASER, SC CONNECTOR, V.35 INTERFACE
FOM-20/115/SC13L/V36	3121430000	$	1,430.00	FIBER OPTIC MODEM, 115 VAC, 1310 NM SINGLE MODE LASER, SC CONNECTOR, V.36 INTERFACE
FOM-20/115/SC15L/UTP	3121420000	$	2,035.00	FIBER OPTIC MODEM, 115 VAC, 1550 NM SINGLE MODE LASER, SC CONNECTOR, 10BASET UTP ETHERNET MANAGEMENT PORT
FOM-20/115/SC15L/V24	3121810000	$	1,815.00	FIBER OPTIC MODEM, 115 VAC, 1550 NM SINGLE MODE LASER, SC CONNECTOR, V.24 INTERFACE
FOM-20/115/SC85/V24	3121940000	$	963.00	FIBER OPTIC MODEM, 115 VAC, 850 NM, MULTIMODE, VCSEL, SC CONNECTOR, V.24 INTERFACE
FOM-20/115/SC85/V35	3121310000	$	963.00	FIBER OPTIC MODEM, 115 VAC, 850 NM, MULTIMODE, VCSEL, SC CONNECTOR, V.35 INTERFACE
FOM20/115/ST13L/530	3121720000	$	1,430.00	FIBER OPTIC MODEM, 115 VAC, 1310 NM SINGLE MODE LASER, ST CONNECTOR, RS-530 INTERFACE
FOM-20/115/ST13L/UTP	3121150000	$	1,623.00	FIBER OPTIC MODEM, 115 VAC, 1310 NM SINGLE MODE LASER, ST CONNECTOR, 10BASET UTP ETHERNET MANAGEMENT PORT
FOM-20/115/ST13L/V24	3120110000	$	1,430.00	FIBER OPTIC MODEM, 115 VAC, 1310 NM SINGLE MODE LASER, ST CONNECTOR, V.24 INTERFACE
FOM-20/115/ST13L/V35	3120120000	$	1,430.00	FIBER OPTIC MODEM, 115 VAC, 1310 NM SINGLE MODE LASER, ST CONNECTOR, V.35 INTERFACE
FOM-20/115/ST13L/V36	3121620000	$	1,430.00	FIBER OPTIC MODEM, 115 VAC, 1310 NM SINGLE MODE LASER, ST CONNECTOR, V.36 INTERFACE
FOM-20/115/ST15L/V24	3121040000	$	1,815.00	FIBER OPTIC MODEM, 115 VAC, 1550 NM SINGLE MODE LASER, ST CONNECTOR, V.24 INTERFACE
FOM-20/115/ST85/530	3120940000	$	963.00	FIBER OPTIC MODEM, 115 VAC, 850 NM, MULTIMODE, VCSEL, SC CONNECTOR, RS-530 INTERFACE
FOM-20/115/ST85/703/RJ	3121670000	$	1,568.00	FIBER OPTIC MODEM, 115 VAC, 850 NM, MULTIMODE, VCSEL, SC CONNECTOR, G.703 CODIRECTIONAL (64 KBPS), RJ-45
FOM-20/115/ST85/703/TB	3120620000	$	1,634.00	SYNC/ASYNC FIBER OPTIC MODEM, 850NM, ST, G703
FOM-20/115/ST85/V24	3120070000	$	963.00	FIBER OPTIC MODEM, 115 VAC, 850 NM, MULTIMODE, VCSEL, SC CONNECTOR, V.24 INTERFACE
FOM-20/115/ST85/V35	3120080000	$	963.00	FIBER OPTIC MODEM, 115 VAC, 850 NM, MULTIMODE, VCSEL, SC CONNECTOR, V.35 INTERFACE
FOM-20/115/ST85/V36	3120710000	$	963.00	FIBER OPTIC MODEM, 115 VAC, 850 NM, MULTIMODE, VCSEL, SC CONNECTOR, V.36 INTERFACE
FOM-20/115/ST85/X21	3120730000	$	1,293.00	FIBER OPTIC MODEM, 115 VAC, 850 NM, MULTIMODE, VCSEL, SC CONNECTOR, X.21 INTERFACE
FOM-20/230/FC13L/V24	3120380000	$	1,925.00	FIBER OPTIC MODEM, 230 VAC, 1310 NM SINGLE MODE LASER, FC CONNECTOR, V.24 INTERFACE
FOM-20/230/SC13L/V24	3121570000	$	1,925.00	FIBER OPTIC MODEM, 230 VAC, 1310 NM SINGLE MODE LASER, SC CONNECTOR, V.24 INTERFACE
FOM-20/230/SC85/530	3122000000	$	1,353.00	FIBER OPTIC MODEM, 230 VAC, 850 NM, MULTIMODE, VCSEL, SC CONNECTOR, RS-530 INTERFACE
FOM-20/230/SC85/V24	3121910000	$	1,293.00	FIBER OPTIC MODEM, 230 VAC, 850 NM, MULTIMODE, VCSEL, SC CONNECTOR, V.24 INTERFACE
FOM-20/230/ST85/530	3120640000	$	1,293.00	FIBER OPTIC MODEM, 230 VAC, 850 NM, MULTIMODE, VCSEL, SC CONNECTOR, RS-530 INTERFACE
FOM-20/230/ST85/703/TB	3120660000	$	1,568.00	FIBER OPTIC MODEM, 230 VAC, 850 NM, MULTIMODE, VCSEL, SC CONNECTOR, G.703 CODIRECTIONAL (64 KBPS), TERMINAL BLOCK
FOM-20/230/ST85/V35	3120240000	$	1,293.00	FIBER OPTIC MODEM, 230 VAC, 850 NM, MULTIMODE, VCSEL, SC CONNECTOR, V.35 INTERFACE
FOM-20/24/ST13L/V24	3121630000	$	1,568.00	FIBER OPTIC MODEM, 24 VDC, 1310 NM SINGLE MODE LASER, ST CONNECTOR, V.24 INTERFACE
FOM-20/48/FC13L/V24	3120530000	$	1,568.00	FIBER OPTIC MODEM, -48 VDC, 1310 NM SINGLE MODE LASER, FC CONNECTOR, V.24 INTERFACE

FOM-20/48/SC13L/V24	3121750000	$	1,568.00	FIBER OPTIC MODEM, -48 VDC, 1310 NM SINGLE MODE LASER, SC CONNECTOR, V.24 INTERFACE
FOM20/48/ST13L/G703TB	3121790000	$	1,760.00	FIBER OPTIC MODEM, -48 VDC, 1310 NM SINGLE MODE LASER, ST CONNECTOR, G.703 CODIRECTIONAL (64 KBPS), TERMINAL BLOCK
FOM-20/48/ST13L/V24	3120470000	$	1,568.00	FIBER OPTIC MODEM, -48 VDC, 1310 NM SINGLE MODE LASER, ST CONNECTOR, V.24 INTERFACE
FOM-20/48/ST13L/V35	3120480000	$	1,568.00	FIBER OPTIC MODEM, -48 VDC, 1310 NM SINGLE MODE LASER, ST CONNECTOR, V.35 INTERFACE
FOM-20/48/ST85/G703/RJ	3121230000	$	1,733.00	FIBER OPTIC MODEM, -48 VDC, 850 NM, MULTIMODE, VCSEL, SC CONNECTOR, G.703 CODIRECTIONAL (64 KBPS), RJ-45
FOM-20/48/ST85/G703/TB	3120630000	$	1,733.00	FIBER OPTIC MODEM, -48 VDC, 850 NM, MULTIMODE, VCSEL, SC CONNECTOR, G.703 CODIRECTIONAL (64 KBPS), TERMINAL BLOCK
FOM-20/48/ST85/V24	3120430000	$	1,100.00	FIBER OPTIC MODEM, -48 VDC, 850 NM, MULTIMODE, VCSEL, SC CONNECTOR, V.24 INTERFACE
FOM-20/48/ST85/V35	3120440000	$	1,100.00	FIBER OPTIC MODEM, -48 VDC, 850 NM, MULTIMODE, VCSEL, SC CONNECTOR, V.35 INTERFACE
FOM-20/48/ST85/V36	3121260000	$	1,100.00	FIBER OPTIC MODEM, -48 VDC, 850 NM, MULTIMODE, VCSEL, SC CONNECTOR, V.36 INTERFACE
FOM-20/R/ST15L/V24	3121490000	$	1,788.00	FIBER OPTIC MODEM, CARD VERSION FOR ASM-MN-214 MODEM RACK, 1550 NM SINGLE MODE LASER, ST CONNECTOR, V.24 INTERFACE
FOM-40/AC/SC13L/703/RJ	2812380000	$	2,668.00	FIBER OPTIC MODEM, 100-240 VAC, 1310 NM SINGLE MODE LASER, SC CONNECTOR, G.703 CODIRECTIONAL (64 KBPS), RJ-45
FOM-40/AC/SC13L/V35	2812710000	$	1,760.00	FIBER OPTIC MODEM, 100-240 VAC, 1310 NM SINGLE MODE LASER, SC CONNECTOR, V.35 INTERFACE
FOM-40/AC/SC13L/X21	2812540000	$	2,393.00	FIBER OPTIC MODEM, 100-240 VAC, 1310 NM SINGLE MODE LASER, SC CONNECTOR, X.21 INTERFACE
FOM-40/AC/SC85/530	2813030000	$	1,293.00	FIBER OPTIC MODEM, 100-240 VAC, 850 NM, MULTIMODE, VCSEL, SC CONNECTOR, RS-530 INTERFACE
FOM-40/AC/SC85/V35	2812480000	$	1,293.00	FIBER OPTIC MODEM, 100-240 VAC, 850 NM, MULTIMODE, VCSEL, SC CONNECTOR, V.35 INTERFACE
FOM-40/AC/ST13L/530	2812580000	$	1,760.00	FIBER OPTIC MODEM, 100-240 VAC, 1310 NM SINGLE MODE LASER, ST CONNECTOR, RS-530 INTERFACE
FOM-40/AC/ST13L/V35	2811990000	$	1,760.00	FIBER OPTIC MODEM, 100-240 VAC, 1310 NM SINGLE MODE LASER, ST CONNECTOR, V.35 INTERFACE
FOM-40/AC/ST85/530	2812550000	$	1,293.00	FIBER OPTIC MODEM, 100-240 VAC, 850 NM, MULTIMODE, VCSEL, SC CONNECTOR, RS-530 INTERFACE
FOM-40/AC/ST85/V24	2812950000	$	1,293.00	FIBER OPTIC MODEM, 100-240 VAC, 850 NM, MULTIMODE, VCSEL, SC CONNECTOR, V.24 INTERFACE
FOM-40/AC/ST85/V35	2811980000	$	1,293.00	FIBER OPTIC MODEM, 100-240 VAC, 850 NM, MULTIMODE, VCSEL, SC CONNECTOR, V.35 INTERFACE
FOM-40/AC/ST85/X21	2811030000	$	1,600.00	FIBER OPTIC MODEM, 100-240 VAC, 850 NM, MULTIMODE, VCSEL, SC CONNECTOR, X.21 INTERFACE
FOM-5A/F/ST	3090010000	$	198.00	ASYNCHRONOUS MINIATURE FIBER OPTIC MODEM, FEMALE, ST CONNECTOR
FOM-5A/M/ST	3090030000	$	207.00	ASYNCHRONOUS MINIATURE FIBER OPTIC MODEM, MALE, ST CONNECTOR
FOM-E1T1/24/SC13L	2840740000	$	908.00	E1/T1 FIBER OPTIC MODEM, 24 VDC, 1310 NM SINGLE MODE LASER, SC CONNECTOR
FOM-E1T1/24/SF2	2840680000	$	990.00	E1/T1 FIBER OPTIC MODEM, 24 VDC, TX 1550 NM WDM LASER, RX 1310 NM, SINGLE FIBER
FOM-E1T1/48/FC13L	2840610000	$	798.00	E1/T1 FIBER OPTIC MODEM, -48 VDC, 1310 NM SINGLE MODE LASER, FC CONNECTOR
FOM-E1T1/48/FC13LH	2840750000	$	908.00	E1/T1 FIBER OPTIC MODEM, -48 VDC, 1310 NM SINGLE MODE LASER LONG-HAUL, FC CONNECTOR
FOM-E1T1/48/FC15L	2840040000	$	899.00	E1/T1 FIBER OPTIC MODEM, -48 VDC, 1550 NM SINGLE MODE LASER, FC CONNECTOR
FOM-E1T1/48/FC15LH	2840720000	$	1,540.00	E1/T1 FIBER OPTIC MODEM, -48 VDC, 1550 NM SINGLE MODE LASER LONG-HAUL, FC CONNECTOR
FOM-E1T1/48/FC85	2841070000	$	825.00	E1/T1 FIBER OPTIC MODEM, -48 VDC, 850 NM MULTIMODE VCSEL, FC CONNECTOR
FOM-E1T1/48/SC13L	2840600000	$	798.00	E1/T1 FIBER OPTIC MODEM, -48 VDC, 1310 NM SINGLE MODE LASER, SC CONNECTOR
FOM-E1T1/48/SC13LH	2840590000	$	908.00	E1/T1 FIBER OPTIC MODEM, -48 VDC, 1310 NM SINGLE MODE LASER LONG-HAUL, SC CONNECTOR
FOM-E1T1/48/SC13MM	2840630000	$	688.00	E1/T1 FIBER OPTIC MODEM, -48 VDC, 1310 NM MULTIMODE LED, SC CONNECTOR
FOM-E1T1/48/SF1	2840360000	$	853.00	E1/T1 FIBER OPTIC MODEM, -48 VDC, TX 1310 NM WDM LASER, RX 1550 NM, SINGLE FIBER
FOM-E1T1/48/SF3	2840580000	$	935.00	E1/T1 FIBER OPTIC MODEM, -48 VDC, TX/RX 1310 NM LASER, SINGLE FIBER
FOM-E1T1/48/ST13L	2841110000	$	798.00	E1/T1 FIBER OPTIC MODEM, -48 VDC, 1310 NM SINGLE MODE LASER, ST CONNECTOR
FOM-E1T1/48/ST13MM	2840620000	$	688.00	E1/T1 FIBER OPTIC MODEM, -48 VDC, 1310 NM MULTIMODE LED, ST CONNECTOR
FOM-E1T1/48/ST15L	2841250000	$	935.00	E1/T1 FIBER OPTIC MODEM, -48 VDC, 1550 NM SINGLE MODE LASER, ST CONNECTOR
FOM-E1T1/AC/FC13L	2840400000	$	835.00	E1/T1 FIBER OPTIC MODEM, 100-240 VAC, 1310 NM SINGLE MODE LASER, FC CONNECTOR
FOM-E1T1/AC/FC15L	2840410000	$	935.00	E1/T1 FIBER OPTIC MODEM, 100-240 VAC, 1550 NM SINGLE MODE LASER, FC CONNECTOR
FOM-E1T1/AC/FC85	2840430000	$	849.00	E1/T1 FIBER OPTIC MODEM, 100-240 VAC, 850 NM MULTIMODE VCSEL, FC CONNECTOR
FOM-E1T1/AC/SC/13MM	2840510000	$	688.00	E1/T1 FIBER OPTIC MODEM, 100-240 VAC, 1310 NM MULTIMODE LED, SC CONNECTOR
FOM-E1T1/AC/SC13L	2840440000	$	798.00	E1/T1 FIBER OPTIC MODEM, 100-240 VAC, 1310 NM SINGLE MODE LASER, SC CONNECTOR
FOM-E1T1/AC/SC13LH	2840570000	$	908.00	E1/T1 FIBER OPTIC MODEM, 100-240 VAC, 1310 NM SINGLE MODE LASER LONG-HAUL, SC CONNECTOR
FOM-E1T1/AC/SC15L	2840450000	$	935.00	E1/T1 FIBER OPTIC MODEM, 100-240 VAC, 1550 NM SINGLE MODE LASER, SC CONNECTOR
FOM-E1T1/AC/SF1	2840340000	$	853.00	E1/T1 FIBER OPTIC MODEM, 100-240 VAC, TX 1310 NM WDM LASER, RX 1550 NM, SINGLE FIBER
FOM-E1T1/AC/SF2	2840350000	$	880.00	E1/T1 FIBER OPTIC MODEM, 100-240 VAC, TX 1550 NM WDM LASER, RX 1310 NM, SINGLE FIBER
FOM-E1T1/AC/SF3	2840540000	$	935.00	E1/T1 FIBER OPTIC MODEM, 100-240 VAC, TX/RX 1310 NM LASER, SINGLE FIBER
FOM-E1T1/AC/ST13L	2840470000	$	798.00	E1/T1 FIBER OPTIC MODEM, 100-240 VAC, 1310 NM SINGLE MODE LASER, ST CONNECTOR
FOM-E1T1/AC/ST13LH	2840550000	$	908.00	E1/T1 FIBER OPTIC MODEM, 100-240 VAC, 1310 NM SINGLE MODE LASER LONG-HAUL, ST CONNECTOR
FOM-E1T1/AC/ST13MM	2840330000	$	711.00	E1/T1 FIBER OPTIC MODEM, 100-240 VAC, 1310 NM MULTIMODE LED, ST CONNECTOR
FOM-E1T1/AC/ST15L	2840480000	$	935.00	E1/T1 FIBER OPTIC MODEM, 100-240 VAC, 1550 NM SINGLE MODE LASER, ST CONNECTOR
FOM-E1T1/FC13L/24	2840150000	$	908.00	E1/T1 FIBER OPTIC MODEM, 24 VDC, 1310 NM SINGLE MODE LASER, FC CONNECTOR
FOM-E1T1/ST13L/24	2840230000	$	1,073.00	E1/T1 FIBER OPTIC MODEM, SM.1310 NM, -24 VDC
FOM-E3/AC/SC13L	2820520000	$	2,173.00	E3 FIBER OPTIC MODEM, 100-240 VAC, 1310 NM SINGLE MODE LASER, SC CONNECTOR
FOM-E3/AC/ST15L	2821230000	$	2,229.00	E3 FIBER OPTIC MODEM; 1550NM, LASER
FOM-E3/ST85/230	2821100000	$	2,255.00	E3 FIBER OPTIC MODEM, 100-240 VAC, 850 NM, MULTIMODE, VCSEL, SC CONNECTOR
FOM-T3/48/SC/SF1	2820310000	$	1,870.00	T3 FIBER OPTIC MODEM, SC CONNECTOR, SINGLE FIBER 1310 NM TX, -48 VDC
FOM-T3/48/SC/SF2	2820640000	$	1,870.00	T3 FIBER OPTIC MODEM, SF.1310 NM TX, -48 VDC
FOM-T3/48/SC85	2820680000	$	1,788.00	3 FIBER OPTIC MODEM, -48 VDC, 850 NM, MULTIMODE, VCSEL, SC CONNECTOR
FOM-T3/AC/FC13L	2820150000	$	1,595.00	T3 FIBER OPTIC MODEM, 100-240 VAC, 1310 NM SINGLE MODE LASER, FC CONNECTOR
FOM-T3/AC/SC/SF1	2820710000	$	1,733.00	T3 FIBER OPTIC MODEM,AC, WDM 1310NM TX ,SC
FOM-T3/AC/SC/SF2	2820720000	$	1,733.00	T3 FIBER OPTIC MODEM,AC, WDM 1550NM TX , ST
FOM-T3/AC/SC13L	2820470000	$	1,595.00	T3 FIBER OPTIC MODEM, 100-240 VAC, 1310 NM SINGLE MODE LASER, SC CONNECTOR
FOM-T3/AC/SC13LH	2820730000	$	1,788.00	T3 FIBER OPTIC MODEM, SM.1310 NM LONG-HAUL, AC
FOM-T3/AC/SC13MM	2820820000	$	1,513.00	T3 FIBER OPTIC MODEM, 100-240 VAC, 1310 NM MULTIMODE LED, SC CONNECTOR
FOM-T3/AC/SC15LH	2820630000	$	2,775.00	T3 FIBER OPTIC MODEM, 100-240 VAC, 1550 NM, SINGLE MODE, LONG-HAUL LASER, SC CONNECTOR
FOM-T3/AC/SC85	2820170000	$	1,678.00	T3 FIBER OPTIC MODEM, 100-240 VAC, 850 NM, MULTIMODE, VCSEL, SC CONNECTOR

FOM-T3/AC/ST15LH	2820750000	$	3,666.00	T3 FIBER OPTIC MODEM, 100-240 VAC, 1550 NM, SINGLE MODE, LONG-HAUL LASER, SC CONNECTOR
FOM-T3/AC/ST85	2820100000	$	1,678.00	T3 FIBER OPTIC MODEM, 100-240 VAC, 850 NM, MULTIMODE, VCSEL, SC CONNECTOR
FOM-T3/FC13L/48	2820250000	$	1,733.00	T3 FIBER OPTIC MODEM, -48 VDC, 1310 NM SINGLE MODE LASER, FC CONNECTOR
FOM-T3/SC13L/48	2820430000	$	1,733.00	T3 FIBER OPTIC MODEM, -48 VDC, 1310 NM SINGLE MODE LASER, SC CONNECTOR
FOM-T3/SC13MM/DC	2820700000	$	1,650.00	T3 FIBER OPTIC MODEM, -48 VDC, 1310 NM MULTIMODE LED, SC CONNECTOR
FOM-T3/SC15L/48	2820480000	$	1,870.00	T3 FIBER OPTIC MODEM, -48 VDC, 1550 NM SINGLE MODE LASER, SC CONNECTOR
FOM-T3/ST13/MM/48	2820420000	$	1,650.00	T3 FIBER OPTIC MODEM, -48 VDC, 1310 NM MULTIMODE LED, ST CONNECTOR
FOM-T3/ST13LH/48	2820340000	$	1,898.00	T3 FIBER OPTIC MODEM, -48 VDC, 1310 NM SINGLE MODE LASER LONG-HAUL, ST CONNECTOR
FOM-T3/ST15L/48	2820070000	$	1,870.00	T3 FIBER OPTIC MODEM, -48 VDC, 1550 NM SINGLE MODE LASER, ST CONNECTOR
FOM-T3/ST85/48	2820200000	$	1,788.00	T3 FIBER OPTIC MODEM, -48 VDC, 850 NM, MULTIMODE, VCSEL, ST CONNECTOR
FPS-8	2720000000	$	5,940.00	MULTIPROTOCOL FAST PACKET SWITCH FOR X.25/FRAME RELAY/IP/ASYNC/HDLC, 8-PORT
FPS-8/UTP	2720180000	$	6,353.00	MULTIPROTOCOL FAST PACKET SWITCH FOR X.25/FRAME RELAY/IP/ASYNC/HDLC, 8-PORT, 10BASET ETHERNET INTERFACE
GMUX-M-PS/ACHP	5080150000	$	2,125.00	GMUX POWER SUPPPLY MODULE, AC HIGH POWER 300W POWE
IPMUX-155L/48HPR/N/UNFR/NULL/4N/32N	5491130000	$	15,996.00	HUB-SITE PSEUDOWIRE ACCESS GATEWAY, REDUNDANT -48 VDC HIGH-POWER POWER SUPPLY, EMPTY SFP SLOT, UNFRAMED VC12, 4 EMPTY SFP SLOTS, 32 EMPTY SFP SLOTS
IPMUX-155L/48R/N/UNFR/NULL/4N	5490570000	$	14,516.00	HUB-SITE PSEUDOWIRE ACCESS GATEWAY, REDUNDANT -48 VDC POWER SUPPLY, EMPTY SFP SLOT, UNFRAMED VC12, 4 EMPTY SFP SLOTS
IPMUX-155L/ACHPR/N/UNFR/NULL/4N/32N	5491050000	$	13,262.00	HUB-SITE PSEUDOWIRE ACCESS GATEWAY, REDUNDANT AC HIGH-POWER POWER SUPPLY, EMPTY SFP SLOT, UNFRAMED VC12, 4 EMPTY SFP SLOTS, 32 EMPTY SFP SLOTS
IPMUX-155L/ACR/N/FR/NULL/4N/32N	5490450000	$	24,367.00	HUB-SITE PSEUDOWIRE ACCESS GATEWAY, REDUNDANT AC POWER SUPPLY, EMPTY SFP SLOT, FRAMED VC12, 4 EMPTY SFP SLOTS, 32 EMPTY SFP SLOTS
IPMUX-155L/ACR/N/UNFR/NULL/4N	5490600000	$	13,460.00	HUB-SITE PSEUDOWIRE ACCESS GATEWAY, REDUNDANT AC POWER SUPPLY, EMPTY SFP SLOT, UNFRAMED VC12, 4 EMPTY SFP SLOTS
IPMUX-155L/ACR/N/UNFR/NULL/4N/32N	5490500000	$	19,649.00	HUB-SITE PSEUDOWIRE ACCESS GATEWAY, REDUNDANT AC POWER SUPPLY, EMPTY SFP SLOT, UNFRAMED VC12, 4 EMPTY SFP SLOTS, 32 EMPTY SFP SLOTS
IPMUX-155L-PS/48HP	5491070000	$	1,196.00	IPMUX-155L POWER SUPPLY MODULE, -48 VDC HIGH POWER POWER SUPPLY
IPMUX-155L-PS/AC	5490730000	$	726.00	IPMUX-155L POWER SUPPLY MODULE, 100-240 VAC
IPMUX-16/T1/AC/R	1151140000	$	5,150.00	TDM PSEUDOWIRE ACCESS GATEWAY, 1.54 MBPS RJ-45 STATION CLOCK PORT, 100-240 VAC, REDUNDANT POWER SUPPLY
IPMUX-1E/AC/4BRI/MM-LC	2730030000	$	3,443.00	TDM PSEUDOWIRE ACCESS GATEWAY
IPMUX-1E/AC/4BRI/SM-LC	2730090000	$	2,296.00	TDM PSEUDOWIRE ACCESS GATEWAY
				CUSTOMER LOCATED TDMOIP GATEWAY, 100-240 VAC, 4 ISDN S0 RJ-45 CONNECTORS, 100BASEFX SINGLE MODE LC CONNECTOR NETWORK ETHERNET PORT 10/100BASET RJ-45
IPMUX-1E/AC/4BRI/SM-LC/UTP	1151200000	$	4,313.00	CONNECTOR USER ETHERNET PORT
IPMUX-1E/AC/4BRI/UTP	1150880000	$	2,781.00	TDMOIP GATEWAY, 100-240 VAC; USER ISDN - 4 S0, RJ-45 CONNECTOR; NETWORK ETHERNET - 10/100BASET, RJ-45 CONNECTOR
IPMUX-1E/AC/4BRI/UTP/UTP	1151100000	$	4,170.00	CUSTOMER LOCATED TDMOIP GATEWAY, 100-240 VAC, 4 ISDN S0 RJ-45 CONNECTORS, 10/100BASET NETWORK+USER ETHERNET PORTS
IPMUX-1E/AC/4E&M/MM-LC	2730080000	$	2,302.00	TOMOIP GW, AC, 4 E&M, 100 BFX MM. ETH.
IPMUX-1E/AC/4E&M/MM-LC/UTP	1152140000	$	3,315.00	TOMOIP GW,AC,4 E&M,100 BFX MM.NW.ETH. LAN
IPMUX-1E/AC/4E&M/SM-LC/UTP	1152030000	$	3,132.00	TOMOIP GW,AC,4 E&M,100 BFX SM.NW.ETH. LAN
IPMUX-1E/AC/4E&M/UTP	1151290000	$	2,000.00	TDMOIP GATEWAY, 100-240 VAC; USER ANALOG: 4 E&M, RJ-45; NETWORK ETHERNET: 10/100BASET, RJ-45 CONNECTOR
IPMUX-1E/AC/4E&M/UTP/UTP	1151220000	$	2,894.00	IPMUX 1E,100-240 VAC, UTP
IPMUX-1E/AC/4E&M-EC/SM-LC/UTP	2730140000	$	3,365.00	TDM PSEUDOWIRE ACCESS GATEWAY
IPMUX-1E/AC/4E&M-EC/UTP	1151590000	$	2,222.00	TDMOIP GW, AC, 4 E&M, RJ-11 ECHO CANCELLER, UTP
IPMUX-1E/AC/4E&M-EC/UTP/UTP	1151680000	$	3,258.00	TDMOIP GW, AC, 4 E&M, RJ-11 ECHO CANCELLER, 2 UTP
IPMUX-1E/AC/4FXO/MM-LC/UTP	1152020000	$	3,274.00	TDMOIP GW, AC, 4 FXO, 100 BFX MM. NW.ETH. LAN
				1U STANDALONE CUSTOMER LOCATED TDMOIP GATEWAY, 100-240 VAC, 4 ANALOG FXO, 100 BASEFX SINGLE MODE LC CONNECTOR NETWORK ETHERNET PORT 10/100BASET RJ-45
IPMUX-1E/AC/4FXO/SM-LC/UTP	1151550000	$	3,089.00	CONNECTOR USER ETHERNET PORT
IPMUX-1E/AC/4FXO/UTP	1151280000	$	2,047.00	TDMOIP GATEWAY, 100-240 VAC; USER ANALOG: 4 FXO, RJ-45 CONNECTOR; NETWORK ETHERNET: 10/100BASET, RJ-45 CONNECTOR
IPMUX-1E/AC/4FXO/UTP/UTP	1151400000	$	2,983.00	IPMUX 1E,100-240 VAC, UTP
IPMUX-1E/AC/4FXO-EC/UTP	1151880000	$	2,281.00	IPMUX-1E/AC/4FXO-EC/UTP
IPMUX-1E/AC/4FXO-EC/UTP/UTP	1151560000	$	3,216.00	IPMUX-1E/AC/4FXO-EC/UTP/UTP
				CUSTOMER-LOCATED TDMOIP GATEWAY, 100-240 VAC, 4 ANALOG FXS, 100BASEFX MULTIMODE LC CONNECTOR ETHERNET NETWORK PORT, 10/100BASET RJ-45 CONNECTOR
IPMUX-1E/AC/4FXS/MM-LC/UTP	1150910000	$	3,450.00	ETHERNET USER PORT
				CUSTOMER LOCATED TDMOIP GATEWAY, 100-240 VAC, 4 ANALOG FXS, 100BASEFX SINGLE MODE LC CONNECTOR NETWORK ETHERNET PORT 10/100BASET RJ-45 CONNECTOR USER
IPMUX-1E/AC/4FXS/SM-LC/UTP	1151210000	$	3,266.00	ETHERNET PORT
IPMUX-1E/AC/4FXS/UTP	1150900000	$	2,225.00	TDMOIP GATEWAY, 100-240 VAC; USER ANALOG: 4 FXS, RJ-45 CONNECTOR; NETWORK ETHERNET: 10/100BASET, RJ-45 CONNECTOR
IPMUX-1E/AC/4FXS/UTP/UTP	1151040000	$	3,160.00	CUSTOMER-LOCATED TDMOIP GATEWAY, 100-240 VAC, 4 ANALOG FXS, 10/100BASET ETHERNET NETWORK AND USER PORTS
IPMUX-1E/AC/4FXS-EC/UTP	1151430000	$	2,457.00	IPMUX-1E/AC/4FXS-EC/UTP
IPMUX-1E/AC/4FXS-EC/UTP/UTP	1151570000	$	3,392.00	IPMUX-1E/AC/4FXS-EC/UTP/UTP
IPMUX-1E/AC/E1-EC/SM-LC/UTP	1152270000	$	3,873.00	TDM PSEUDOWIRE ACCESS GATEWAY
IPMUX-1E/AC/E1-EC/UTP	1151420000	$	2,468.00	TDMOIP GATEWAY, 100-240 VAC; USER TDM: E1 BALANCED, ECHO CANCELLER; NETWORK ETHERNET: 10/100BASET, RJ-45 CONNECTOR
IPMUX-1E/AC/E1-EC/UTP/UTP	1151690000	$	3,730.00	TDMOIP GW, AC, E1 EC, 10/100 BTX NW+LAN
IPMUX-1E/AC/T1-EC/MM-LC/UTP	1151700000	$	3,053.00	TDMOIP GW,AC, T1 EC, 100 BFX MM. NW.ETH. LAN
IPMUX-1E/AC/T1-EC/UTP	1151860000	$	1,828.00	TDMOIP GATEWAY, 100-240 VAC; USER TDM: T1 BALANCED, ECHO CANCELLER; NETWORK ETHERNET: 10/100BASET, RJ-45 CONNECTOR
IPMUX-1E/AC/T1-EC/UTP/STC-T1	2730040000	$	2,352.00	TDM PSEUDOWIRE ACCESS GATEWAY
IPMUX-1E/AC/T1-EC/UTP/UTP	1151850000	$	2,763.00	TDMOIP GW,AC, T1 EC, 10/100 BTX NW+LAN
IPMUX-1E/AC/T1-EC/UTP/UTP/STC-T1	2730170000	$	2,877.00	TOMOIP GW
IPMUX-1E/DC/4E&M/SM-LC/UTP	2730010000	$	3,245.00	TDM PSEUDOWIRE ACCESS GATEWAY
IPMUX-1E/DC/4E&M/UTP	1151840000	$	2,203.00	TDMOIP GW, DC, 4 E&M, 10/100 BT X NW
IPMUX-1E/DC/4E&M/UTP/UTP	1151630000	$	3,138.00	TDMOIP GW, AC, 4 E&M, 10/100 BASE T, NW.ETH. LAN
IPMUX-1E/DC/4E&M-EC/UTP	3520120000	$	2,437.00	TOMOIP GW,-48VDC,4 E&M EC,10/100 BTX NW
IPMUX-1E/DC/4E&M-EC/UTP/UTP	1152010000	$	3,372.00	TDMOIP GW, AC, 4 E&MEC, 10/100 BASE T, NW.ETH. LAN
IPMUX-1E/DC/4E&M-P/UTP	1152040000	$	2,231.00	TDMOIP GW, DC, 4 E&M POSITIVE, 10/100 BT X NW
IPMUX-1E/DC/4FXO/UTP	1151960000	$	2,160.00	TDMOIP GW, DC, 4 FXO, 10/100 BT X NW

IPMUX-1E/DC/4FXO-EC/UTP/UTP	1152200000	$	3,330.00	TDM PSEUDOWIRE ACCESS GATEWAY
IPMUX-1E/DC/4FXS/MM-LC	1152490000	$	2,550.00	TDM PSEUDOWIRE ACCESS GATEWAY
IPMUX-1E/DC/4FXS/UTP	1151950000	$	2,339.00	TDMOIP GW, DC, 4 FXS, 10/100 BT X NW
IPMUX-1E/DC/4FXS-EC/UTP	3520110000	$	2,571.00	TOMOIP GW,-48VDC,4 FXS EC,10/100 BTX NW
IPMUX-1E/DC/4FXS-EC/UTP/UTP	2730220000	$	3,507.00	TOMOIP GW,-48VDC,4 FXS EC,10/100 BTX NW+LAN
IPMUX-1E/DC/T1-EC/UTP	1151870000	$	1,942.00	TDMOIP GW,DC, T1 EC, 10/100 BTX NW
IPMUX-216/24R/H/A/16T1/N/N/N	4902280000	$	12,489.00	TDM PSEUDOWIRE ACCESS GATEWAY, REDUNDANT 24 VDC POWER SUPPLY, HARDENED ENCLOSURE, HARDWARE SUPPORT FOR ACCURATE CLOCK RECOVERY OVER PACKET, 16 T1 PORTS, EMPTY SFP SLOT
IPMUX-216/48/16T1/N/N/UTP	4902010000	$	8,050.00	TDM PSEUDOWIRE ACCESS GATEWAY, -48 VDC, 16 T1 PORTS, EMPTY SFP SLOT, 1 FE UTP PORT 10/100/1000BT
IPMUX-216/48/16T1/UTP/UTP/UTP	4900380000	$	8,050.00	TDM PSEUDOWIRE ACCESS GATEWAY,-48VDC POWER SUPPLY,16 T1 PORTS,UTP ETHERNET PORT,UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR,10/100 UTP
IPMUX-216/48/8T1/N/N/UTP	4902760000	$	5,090.00	TDM PSEUDOWIRE ACCESS GATEWAY, -48 VDC, 8 T1 PORTS, EMPTY SFP SLOT, 1 FE UTP PORT 10/100/1000BT
IPMUX-216/48/8T1/UTP/UTP/UTP	4900090000	$	5,090.00	TDM PSEUDOWIRE ACCESS GATEWAY, -48 VDC, 8 T1 PORTS, UTP ETHERNET PORT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 FE UTP PORT 10/100/1000BT
IPMUX-216/48/A/16T1/UTP/UTP/UTP	4900080000	$	11,339.00	TDM PSEUDOWIRE ACCESS GATEWAY,-48VDC POWER SUPPLY,16 T1 PORTS,UTP ETHERNET PORT,UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR,10/100 UTP
IPMUX-216/48/H/16T1/N/N/UTP	4901540000	$	8,626.00	TDM PSEUDOWIRE ACCESS GATEWAY, -48 VDC, HARDENED ENCLOSURE, 16 T1 PORTS, EMPTY SFP SLOT, 1 FE UTP PORT 10/100/1000BT
IPMUX-216/48/H/A/16T1/N/N/UTP	4901700000	$	11,915.00	TDM PSEUDOWIRE ACCESS GATEWAY, -48 VDC, HARDENED ENCLOSURE, HARDWARE SUPPORT FOR ACCURATE CLOCK RECOVERY OVER PACKET, 16 T1 PORTS, EMPTY SFP SLOT, 1 FE UTP PORT 10/100/1000BT
IPMUX-216/48R/16E1/NULL/NULL/NULL	4901250000	$	10,032.00	TDM PSEUDOWIRE ACCESS GATEWAY,DUAL 48VDC POWER SUPPLIES,16 E1 PORTS,FE/GE SFP SOCKET, NO SFP PROVIDED,FE/GE SFP SOCKET, NO SFP PROVIDED,FE/GE SFP SOCKET, NO SFP PROVIDED
IPMUX-216/48R/16E1/UTP/UTP/UTP	4900530000	$	8,723.00	TDM PSEUDOWIRE ACCESS GATEWAY,DUAL 48VDC POWER SUPPLIES,16 E1 PORTS,UTP ETHERNET PORT,UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR,10/100 UTP
IPMUX-216/48R/16E1CX/UTP/UTP/NULL	4900740000	$	8,626.00	TDM PSEUDOWIRE ACCESS GATEWAY,DUAL 48VDC POWER SUPPLIES,UTP ETHERNET PORT,UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR,FE/GE SFP SOCKET, NO SFP PROVIDED
IPMUX-216/48R/16T1/6/N/UTP	4901150000	$	8,806.00	TDM PSEUDOWIRE ACCESS GATEWAY, REDUNDANT -48 VDC POWER SUPPLY, 16 T1 PORTS, PLUGGABLE TRANSCEIVER: GIGABIT ETHERNET, 1310 NM, SINGLE MODE, LASER, 10.0 KM (6.2 MI), 1 FE UTP PORT 10/100/1000BT
IPMUX-216/48R/16T1/N/N/N	4902020000	$	8,626.00	TDM PSEUDOWIRE ACCESS GATEWAY, REDUNDANT -48 VDC POWER SUPPLY, 16 T1 PORTS, EMPTY SFP SLOT
IPMUX-216/48R/16T1/N/N/UTP	4901130000	$	8,626.00	TDM PSEUDOWIRE ACCESS GATEWAY, REDUNDANT -48 VDC POWER SUPPLY, 16 T1 PORTS, EMPTY SFP SLOT, 1 FE UTP PORT 10/100/1000BT
IPMUX-216/48R/16T1/NULL/UTP/UTP	4901870000	$	8,626.00	TDM PSEUDOWIRE ACCESS GATEWAY,DUAL 48VDC POWER SUPPLIES,16 T1 PORTS,FE/GE SFP SOCKET, NO SFP PROVIDED,UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR,10/100 UTP
IPMUX-216/48R/16T1/UTP/UTP/UTP	4900360000	$	8,078.00	TDM PSEUDOWIRE ACCESS GATEWAY,DUAL 48VDC POWER SUPPLIES,16 T1 PORTS,UTP ETHERNET PORT,UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR,10/100 UTP
IPMUX-216/48R/8T1/6/6/UTP	4901060000	$	6,028.00	TDM PSEUDOWIRE ACCESS GATEWAY, REDUNDANT -48 VDC POWER SUPPLY, 8 T1 PORTS, PLUGGABLE TRANSCEIVER: GIGABIT ETHERNET, 1310 NM, SINGLE MODE, LASER, 10.0 KM (6.2 MI), PLUGGABLE TRANSCEIVER: GIGABIT ETHERNET, 1310 NM, SINGLE MODE, LASER, 10.0 KM (6.2 MI), 1 FE UTP PORT 10/100/1000BT
IPMUX-216/48R/8T1/6/N/UTP	4901080000	$	5,846.00	TDM PSEUDOWIRE ACCESS GATEWAY, REDUNDANT -48 VDC POWER SUPPLY, 8 T1 PORTS, PLUGGABLE TRANSCEIVER: GIGABIT ETHERNET, 1310 NM, SINGLE MODE, LASER, 10.0 KM (6.2 MI), 1 FE UTP PORT 10/100/1000BT
IPMUX-216/48R/8T1/N/N/N	4902230000	$	5,665.00	TDM PSEUDOWIRE ACCESS GATEWAY, REDUNDANT -48 VDC POWER SUPPLY, 8 T1 PORTS, EMPTY SFP SLOT
IPMUX-216/48R/8T1/N/N/UTP	4902170000	$	5,666.00	TDM PSEUDOWIRE ACCESS GATEWAY, REDUNDANT -48 VDC POWER SUPPLY, 8 T1 PORTS, EMPTY SFP SLOT, 1 FE UTP PORT 10/100/1000BT
IPMUX-216/48R/8T1/N/UTP/UTP	4902290000	$	5,665.00	TDM PSEUDOWIRE ACCESS GATEWAY, REDUNDANT -48 VDC POWER SUPPLY, 8 T1 PORTS, EMPTY SFP SLOT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 FE UTP PORT 10/100/1000BT
IPMUX-216/48R/8T1/UTP/UTP/NULL	4901670000	$	5,306.00	TDM PSEUDOWIRE ACCESS GATEWAY,DUAL 48VDC POWER SUPPLIES,8 T1 PORTS,UTP ETHERNET PORT,UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR,FE/GE SFP SOCKET, NO SFP PROVIDED
IPMUX-216/48R/8T1/UTP/UTP/UTP	4901850000	$	5,665.00	TDM PSEUDOWIRE ACCESS GATEWAY,DUAL 48VDC POWER SUPPLIES,8 T1 PORTS,UTP ETHERNET PORT,UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR,10/100 UTP
IPMUX-216/48R/A/16T1/NULL/NULL/NULL	4900400000	$	11,915.00	TDM PSEUDOWIRE ACCESS GATEWAY,DUAL 48VDC POWER SUPPLIES,16 T1 PORTS,FE/GE SFP SOCKET, NO SFP PROVIDED,FE/GE SFP SOCKET, NO SFP PROVIDED,FE/GE SFP SOCKET, NO SFP PROVIDED
IPMUX-216/48R/A/16T1/NULL/NULL/UTP	4900250000	$	11,915.00	TDM PSEUDOWIRE ACCESS GATEWAY,DUAL 48VDC POWER SUPPLIES,16 T1 PORTS,FE/GE SFP SOCKET, NO SFP PROVIDED,FE/GE SFP SOCKET, NO SFP PROVIDED,10/100 UTP
IPMUX-216/48R/A/16T1/NULL/UTP/UTP	4900370000	$	11,915.00	TDM PSEUDOWIRE ACCESS GATEWAY,DUAL 48VDC POWER SUPPLIES,16 T1 PORTS,FE/GE SFP SOCKET, NO SFP PROVIDED,UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR,10/100 UTP
IPMUX-216/48R/A/16T1/UTP/UTP/UTP	4902150000	$	11,915.00	TDM PSEUDOWIRE ACCESS GATEWAY,DUAL 48VDC POWER SUPPLIES,16 T1 PORTS,UTP ETHERNET PORT,UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR,10/100 UTP
IPMUX-216/48R/A/8T1/NULL/NULL/NULL	4900390000	$	7,639.00	TDM PSEUDOWIRE ACCESS GATEWAY,DUAL 48VDC POWER SUPPLIES,8 T1 PORTS,FE/GE SFP SOCKET, NO SFP PROVIDED,FE/GE SFP SOCKET, NO SFP PROVIDED,FE/GE SFP SOCKET, NO SFP PROVIDED
IPMUX-216/48R/A/8T1/UTP/UTP/UTP	4900620000	$	7,639.00	TDM PSEUDOWIRE ACCESS GATEWAY,DUAL 48VDC POWER SUPPLIES,8 T1 PORTS,UTP ETHERNET PORT,UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR,10/100 UTP
IPMUX-216/48R/H/16T1/N/N/N	4902190000	$	9,200.00	TDM PSEUDOWIRE ACCESS GATEWAY, REDUNDANT -48 VDC POWER SUPPLY, HARDENED ENCLOSURE, 16 T1 PORTS, EMPTY SFP SLOT
IPMUX-216/48R/H/16T1/N/N/UTP	4901770000	$	9,200.00	TDM PSEUDOWIRE ACCESS GATEWAY, REDUNDANT -48 VDC POWER SUPPLY, HARDENED ENCLOSURE, 16 T1 PORTS, EMPTY SFP SLOT, 1 FE UTP PORT 10/100/1000BT
IPMUX-216/48R/H/A/16T1/N/N/UTP	4901760000	$	12,489.00	TDM PSEUDOWIRE ACCESS GATEWAY, REDUNDANT -48 VDC POWER SUPPLY, HARDENED ENCLOSURE, HARDWARE SUPPORT FOR ACCURATE CLOCK RECOVERY OVER PACKET, 16 T1 PORTS, EMPTY SFP SLOT, 1 FE UTP PORT 10/100/1000BT
IPMUX-216/48R/H/A/8T1/NULL/NULL/NULL	4901680000	$	8,213.00	TDM PSEUDOWIRE ACCESS GATEWAY, REDUNDANT -48 VDC POWER SUPPLY, HARDENED ENCLOSURE, HARDWARE SUPPORT FOR ACCURATE CLOCK RECOVERY OVER PACKET, 8 T1 PORTS, EMPTY SFP SLOT
IPMUX-216/AC/16E1/UTP/UTP/UTP	4900220000	$	7,810.00	TDM PSEUDOWIRE ACCESS GATEWAY,100-240 VAC POWER SUPPLY,16 E1 PORTS,UTP ETHERNET PORT,UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR,10/100 UTP

IPMUX-216/AC/16T1/NULL/NULL/UTP	4901960000	$	7,721.00	TDM PSEUDOWIRE ACCESS GATEWAY,100-240 VAC POWER SUPPLY,16 T1 PORTS,FE/GE SFP SOCKET, NO SFP PROVIDED,FE/GE SFP SOCKET, NO SFP PROVIDED,10/100 UTP
IPMUX-216/AC/16T1/UTP/UTP/NULL	4900840000	$	7,721.00	TDM PSEUDOWIRE ACCESS GATEWAY,100-240 VAC POWER SUPPLY,16 T1 PORTS,UTP ETHERNET PORT,UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR,FE/GE SFP SOCKET, NO SFP PROVIDED
IPMUX-216/AC/16T1/UTP/UTP/UTP	4901180000	$	7,721.00	TDM PSEUDOWIRE ACCESS GATEWAY, 100-240 VAC, 16 T1 PORTS, UTP ETHERNET PORT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 FE UTP PORT 10/100/1000BT
IPMUX-216/AC/8E1/NULL/NULL/UTP	4900790000	$	5,536.00	TDM PW GATEWAY 16 TDM PORTS, GBE NETWORK,AC,SFP,SF
IPMUX-216/AC/8E1/UTP/UTP/UTP	4900810000	$	5,563.00	TDM PSEUDOWIRE ACCESS GATEWAY,100-240 VAC POWER SUPPLY,8 E1 PORTS,UTP ETHERNET PORT,UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR,10/100 UTP
IPMUX-216/AC/8T1/NULL/NULL/NULL	4900120000	$	4,761.00	TDM PSEUDOWIRE ACCESS GATEWAY,100-240 VAC POWER SUPPLY,8 T1 PORTS,FE/GE SFP SOCKET, NO SFP PROVIDED,FE/GE SFP SOCKET, NO SFP PROVIDED,FE/GE SFP SOCKET, NO SFP PROVIDED
IPMUX-216/AC/8T1/NULL/NULL/UTP	4900520000	$	4,761.00	TDM PSEUDOWIRE ACCESS GATEWAY,100-240 VAC POWER SUPPLY,8 T1 PORTS,FE/GE SFP SOCKET, NO SFP PROVIDED,FE/GE SFP SOCKET, NO SFP PROVIDED,10/100 UTP
IPMUX-216/AC/8T1/UTP/UTP/UTP	4900190000	$	4,459.00	TDM PSEUDOWIRE ACCESS GATEWAY,100-240 VAC POWER SUPPLY,8 T1 PORTS,UTP ETHERNET PORT,UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR,10/100 UTP
IPMUX-216/AC48/16T1/N/N/UTP	4902440000	$	8,379.00	TDM PSEUDOWIRE ACCESS GATEWAY, 100 TO 240 VAC WITH REDUNDANT -48 VDC POWER SUPPLY, 16 T1 PORTS, EMPTY SFP SLOT, 1 FE UTP PORT 10/100/1000BT
IPMUX-216/AC48/16T1/UTP/UTP/UTP	4901860000	$	8,379.00	TDM PSEUDOWIRE ACCESS GATEWAY,SINGLE AC POWER SUPPLY AND SINGLE DC POWER SUPPLY,16 T1 PORTS,UTP ETHERNET PORT,UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR,10/100 UTP
IPMUX-216/AC48/8T1/N/N/UTP	4902220000	$	5,292.00	TDM PSEUDOWIRE ACCESS GATEWAY, 100 TO 240 VAC WITH REDUNDANT -48 VDC POWER SUPPLY, 8 T1 PORTS, EMPTY SFP SLOT, 1 FE UTP PORT 10/100/1000BT
IPMUX-216/AC48/8T1/UTP/UTP/UTP	4901290000	$	5,418.00	TDM PSEUDOWIRE ACCESS GATEWAY,SINGLE AC POWER SUPPLY AND SINGLE DC POWER SUPPLY,8 T1 PORTS,UTP ETHERNET PORT,UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR,10/100 UTP
IPMUX-216/ACR/16E1/N/N/UTP	4900230000	$	9,362.00	TDM PW GATEWAY 16 TDM PORTS, GBE NETWORK,ACR,SFP,S
IPMUX-216/ACR/16E1/NULL/UTP/UTP	4901460000	$	9,362.00	TDM PSEUDOWIRE ACCESS GATEWAY,DUAL AC POWER SUPPLY,16 E1 PORTS,FE/GE SFP SOCKET, NO SFP PROVIDED,UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR,10/100 UTP
IPMUX-216/ACR/16E1/UTP/UTP/UTP	4900210000	$	8,142.00	TDM PSEUDOWIRE ACCESS GATEWAY,DUAL AC POWER SUPPLY,16 E1 PORTS,UTP ETHERNET PORT,UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR,10/100 UTP
IPMUX-216/ACR/16T1/NULL/NULL/NULL	4900320000	$	8,050.00	TDM PSEUDOWIRE ACCESS GATEWAY,DUAL AC POWER SUPPLY,16 T1 PORTS,FE/GE SFP SOCKET, NO SFP PROVIDED,FE/GE SFP SOCKET, NO SFP PROVIDED,FE/GE SFP SOCKET, NO SFP PROVIDED
IPMUX-216/ACR/16T1/NULL/NULL/UTP	4900340000	$	8,050.00	TDM PSEUDOWIRE ACCESS GATEWAY,DUAL AC POWER SUPPLY,16 T1 PORTS,FE/GE SFP SOCKET, NO SFP PROVIDED,FE/GE SFP SOCKET, NO SFP PROVIDED,10/100 UTP
IPMUX-216/ACR/16T1/NULL/UTP/UTP	4901160000	$	8,050.00	TDM PSEUDOWIRE ACCESS GATEWAY,DUAL AC POWER SUPPLY,16 T1 PORTS,FE/GE SFP SOCKET, NO SFP PROVIDED,UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR,10/100 UTP
IPMUX-216/ACR/16T1/UTP/UTP/NULL	4901620000	$	8,050.00	TDM PSEUDOWIRE ACCESS GATEWAY,DUAL AC POWER SUPPLY,16 T1 PORTS,UTP ETHERNET PORT,UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR,FE/GE SFP SOCKET, NO SFP PROVIDED
IPMUX-216/ACR/16T1/UTP/UTP/UTP	4900310000	$	7,539.00	TDM PSEUDOWIRE ACCESS GATEWAY,DUAL AC POWER SUPPLY,16 T1 PORTS,UTP ETHERNET PORT,UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR,10/100 UTP
IPMUX-216/ACR/8E1/NULL/NULL/UTP	4900180000	$	5,921.00	TDM PSEUDOWIRE ACCESS GATEWAY,DUAL AC POWER SUPPLY,8 E1 PORTS,FE/GE SFP SOCKET, NO SFP PROVIDED,FE/GE SFP SOCKET, NO SFP PROVIDED,10/100 UTP
IPMUX-216/ACR/8E1/UTP/UTP/UTP	4900200000	$	5,921.00	TDM PSEUDOWIRE ACCESS GATEWAY,DUAL AC POWER SUPPLY,8 E1 PORTS,UTP ETHERNET PORT,UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR,10/100 UTP
IPMUX-216/ACR/8T1/NULL/NULL/NULL	4901480000	$	5,090.00	TDM PSEUDOWIRE ACCESS GATEWAY,DUAL AC POWER SUPPLY,8 T1 PORTS,FE/GE SFP SOCKET, NO SFP PROVIDED,FE/GE SFP SOCKET, NO SFP PROVIDED,FE/GE SFP SOCKET, NO SFP PROVIDED
IPMUX-216/ACR/8T1/NULL/NULL/UTP	4900710000	$	5,090.00	TDM PSEUDOWIRE ACCESS GATEWAY,DUAL AC POWER SUPPLY,8 T1 PORTS,FE/GE SFP SOCKET, NO SFP PROVIDED,FE/GE SFP SOCKET, NO SFP PROVIDED,10/100 UTP
IPMUX-216/ACR/8T1/NULL/UTP/UTP	4900690000	$	5,090.00	TDM PSEUDOWIRE ACCESS GATEWAY,DUAL AC POWER SUPPLY,8 T1 PORTS,FE/GE SFP SOCKET, NO SFP PROVIDED,UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR,10/100 UTP
IPMUX-216/ACR/8T1/UTP/UTP/NULL	4900770000	$	5,090.00	TDM PSEUDOWIRE ACCESS GATEWAY,DUAL AC POWER SUPPLY,8 T1 PORTS,UTP ETHERNET PORT,UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR,FE/GE SFP SOCKET, NO SFP PROVIDED
IPMUX-216/ACR/8T1/UTP/UTP/UTP	4900850000	$	4,767.00	TDM PSEUDOWIRE ACCESS GATEWAY,DUAL AC POWER SUPPLY,8 T1 PORTS,UTP ETHERNET PORT,UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR,10/100 UTP
IPMUX-216/ACR/A/16T1/N/N/UTP	4900020000	$	11,339.00	TDM PSEUDOWIRE ACCESS GATEWAY, REDUNDANT AC POWER SUPPLY, HARDWARE SUPPORT FOR ACCURATE CLOCK RECOVERY OVER PACKET, 16 T1 PORTS, EMPTY SFP SLOT, 1 FE UTP PORT 10/100/1000BT
IPMUX-216/ACR/A/8T1/N/N/N	4902120000	$	7,063.00	TDM PSEUDOWIRE ACCESS GATEWAY, REDUNDANT AC POWER SUPPLY, HARDWARE SUPPORT FOR ACCURATE CLOCK RECOVERY OVER PACKET, 8 T1 PORTS, EMPTY SFP SLOT
IPMUX-216/ACR/H/16T1/N/N/UTP	4901000000	$	8,626.00	TDM PSEUDOWIRE ACCESS GATEWAY, REDUNDANT AC POWER SUPPLY, HARDENED ENCLOSURE, 16 T1 PORTS, EMPTY SFP SLOT, 1 FE UTP PORT 10/100/1000BT
IPMUX-216/ACR/H/8T1/N/N/UTP	4902750000	$	5,666.00	TDM PSEUDOWIRE ACCESS GATEWAY, REDUNDANT AC POWER SUPPLY, HARDENED ENCLOSURE, 8 T1 PORTS, EMPTY SFP SLOT, 1 FE UTP PORT 10/100/1000BT
IPMUX-216/ACR/H/8T1/UTP/UTP/UTP	4900960000	$	5,665.00	TDM PSEUDOWIRE ACCESS GATEWAY, REDUNDANT AC POWER SUPPLY, HARDENED ENCLOSURE, 8 T1 PORTS, UTP ETHERNET PORT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 FE UTP PORT 10/100/1000BT
IPMUX-216/ACR/H/A/8T1/UTP/UTP/UTP	4900920000	$	7,639.00	TDM PSEUDOWIRE ACCESS GATEWAY, REDUNDANT AC POWER SUPPLY, HARDENED ENCLOSURE, HARDWARE SUPPORT FOR ACCURATE CLOCK RECOVERY OVER PACKET, 8 T1 PORTS, UTP ETHERNET PORT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, NETWORK PORT WITH 10/100/1000BT UTP
IPMUX-216-M/48	4900860000	$	616.00	PLUGGABLE POWER SUPPLY MODULE FOR IPMUX-216, -48 VDC
IPMUX-216-M/AC	4900870000	$	431.00	PLUGGABLE POWER SUPPLY MODULE FOR IPMUX-216, 100-240 VAC
IPMUX-24/1T1/NULL/NULL/NULL	4883200000	$	1,635.00	TDM PSEUDOWIRE ACCESS GATEWAY, 1 T1 PORT, EMPTY SFP SLOT
IPMUX-24/1T1/NULL/NULL/UTP	4881360000	$	1,533.00	TDM PSEUDOWIRE ACCESS GATEWAY, 1 T1 PORT, EMPTY SFP SLOT, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/1T1/UTP/UTP/NULL	4881890000	$	1,635.00	TDM PSEUDOWIRE ACCESS GATEWAY, 1 T1 PORT, UTP ETHERNET PORT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR
IPMUX-24/2E1/N/N/UTP	4881950000	$	3,050.00	TDM PSEUDOWIRE ACCESS GATEWAY, 2 E1 PORTS, EMPTY SFP SLOT, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/2T1/N/N/N	4883750000	$	2,622.00	TDM PSEUDOWIRE ACCESS GATEWAY, 2 T1 PORTS, EMPTY SFP SLOT
IPMUX-24/2T1/N/N/UTP	4881860000	$	2,622.00	TDM PSEUDOWIRE ACCESS GATEWAY, 2 T1 PORTS, EMPTY SFP SLOT, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/2T1/N/UTP/UTP	4881770000	$	2,622.00	TDM PSEUDOWIRE ACCESS GATEWAY, 2 T1 PORTS, EMPTY SFP SLOT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/2T1/NULL/NULL/UTP	4881860000	$	2,622.00	TDM PSEUDOWIRE ACCESS GATEWAY, 2 T1 PORTS, EMPTY SFP SLOT, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/2T1/UTP/UTP/N	4881080000	$	2,622.00	TDM PSEUDOWIRE ACCESS GATEWAY, 2 T1 PORTS, UTP ETHERNET PORT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR

IPMUX-24/4E1CX/3/UTP/UTP	4883910000	$ 3,964.00	TDM PSEUDOWIRE ACCESS GATEWAY, 4 E1 UNBALANCED, COAX INTERFACE, PLUGGABLE TRANSCEIVER: FAST ETHERNET/STM 1, 1310 NM, SINGLE MODE, LASER, 40 KM (24.8 MI), UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/4E1CX/UTP/UTP/UTP	4881500000	$ 3,815.00	TDM PSEUDOWIRE ACCESS GATEWAY,FOUR E1, RJ-45, 75 OHM UNBALANCED,UTP ETHERNET PORT,UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR,10/100 UTP
IPMUX-24/4T1/NULL/NULL/NULL	4880790000	$ 3,280.00	TDM PSEUDOWIRE ACCESS GATEWAY, 4 T1 PORTS, EMPTY SFP SLOT
IPMUX-24/4T1/NULL/NULL/UTP	4880800000	$ 3,073.00	TDM PSEUDOWIRE ACCESS GATEWAY, 4 T1 PORTS, EMPTY SFP SLOT, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/4T1/NULL/UTP/UTP	4880810000	$ 3,280.00	TDM PSEUDOWIRE ACCESS GATEWAY, 4 T1 PORTS, EMPTY SFP SLOT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/4T1/UTP/UTP/NULL	4883920000	$ 3,280.00	TDM PSEUDOWIRE ACCESS GATEWAY, 4 T1 PORTS, UTP ETHERNET PORT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR
IPMUX-24/A/4T1/N/N/N	4880840000	$ 4,596.00	TDM PSEUDOWIRE ACCESS GATEWAY, HARDWARE SUPPORT FOR ACCURATE CLOCK RECOVERY OVER PACKET, 4 T1 PORTS, EMPTY SFP SLOT
IPMUX-24/A/4T1/NULL/NULL/UTP	4880850000	$ 4,596.00	TDM PSEUDOWIRE ACCESS GATEWAY, HARDWARE SUPPORT FOR ACCURATE CLOCK RECOVERY OVER PACKET, 4 T1 PORTS, EMPTY SFP SLOT, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/A/C/4T1/UTP/N/N	4882360000	$ 4,843.00	TDM PSEUDOWIRE ACCESS GATEWAY, HARDWARE SUPPORT FOR ACCURATE CLOCK RECOVERY OVER PACKET, CARRIER CLASS, 4 T1 PORTS, UTP ETHERNET PORT
IPMUX-24/C/4T1/N/N/N	4882770000	$ 3,528.00	TDM PSEUDOWIRE ACCESS GATEWAY, CARRIER CLASS, 4 T1 PORTS, EMPTY SFP SLOT
IPMUX-24/FE/1E1/UTP/UTP/UTP	4881270000	$ 1,323.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, 1 E1 PORT, UTP ETHERNET PORT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/FE/1E1CX/UTP/UTP/UTP	4881480000	$ 1,323.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, 1 E1 PORT UNBALANCED, UTP ETHERNET PORT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/FE/1T1/NULL/NULL/UTP	4883140000	$ 1,225.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, 1 T1 PORT, EMPTY SFP SLOT, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/FE/1T1/NULL/UTP/UTP	4882980000	$ 1,307.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, 1 T1 PORT, EMPTY SFP SLOT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/FE/1T1/UTP/UTP/UTP	4881190000	$ 1,225.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, 1 T1 PORT, UTP ETHERNET PORT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/FE/2E1/UTP/UTP/UTP	4881280000	$ 2,321.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, 2 E1 PORTS, UTP ETHERNET PORT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/FE/2E1CX/UTP/UTP/UTP	4881780000	$ 2,320.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, 2 E1 PORTS, UNBALANCED, COAX INTERFACE, UTP ETHERNET PORT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/FE/2T1/N/N/N	4884140000	$ 2,294.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, 2 T1 PORTS, EMPTY SFP SLOT
IPMUX-24/FE/2T1/N/N/UTP	4884430000	$ 2,294.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, 2 T1 PORTS, EMPTY SFP SLOT, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/FE/2T1/NULL/UTP/UTP	4881460000	$ 2,293.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, 2 T1 PORTS, EMPTY SFP SLOT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/FE/2T1/UTP/UTP/UTP	4881200000	$ 2,149.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, 2 T1 PORTS, UTP ETHERNET PORT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/FE/4E1/N/N/UTP	4881070000	$ 3,432.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, 4 E1 PORTS, EMPTY SFP SLOT, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/FE/4E1/N/UTP/UTP	4882960000	$ 3,432.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, 4 E1 PORTS, EMPTY SFP SLOT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/FE/4E1/UTP/UTP/UTP	4881260000	$ 2,986.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, 4 E1 PORTS, UTP ETHERNET PORT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/FE/4E1CX/UTP/UTP/UTP	4881380000	$ 2,986.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, 4 E1 UNBALANCED, COAX INTERFACE, UTP ETHERNET PORT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/FE/4T1/N/UTP/UTP	4881010000	$ 2,951.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, 4 T1 PORTS, EMPTY SFP SLOT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/FE/4T1/NULL/NULL/UTP	4881620000	$ 2,951.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, 4 T1 PORTS, EMPTY SFP SLOT, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/FE/4T1/UTP/UTP/UTP	4881220000	$ 2,765.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, 4 T1 PORTS, UTP ETHERNET PORT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/FE/4T1/UTP/UTP/UTP/PE	4880000000	$ 1,089.00	TDM PSEUDOWIRE ACCESS GATEWAY, PLASTIC ENCLOSURE, 4 T1 PORTS, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTORS
IPMUX-24/FE/A/1E1/UTP/UTP/UTP	4881320000	$ 2,477.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, HARDWARE SUPPORT FOR ACCURATE CLOCK RECOVERY OVER PACKET, 1 E1 PORT, UTP ETHERNET PORT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/FE/A/1T1/UTP/UTP/UTP	4880960000	$ 2,129.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, HARDWARE SUPPORT FOR ACCURATE CLOCK RECOVERY OVER PACKET, 1 T1 PORT, UTP ETHERNET PORT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/FE/A/2T1/UTP/UTP/UTP	4882930000	$ 3,280.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, HARDWARE SUPPORT FOR ACCURATE CLOCK RECOVERY OVER PACKET, 2 T1 PORTS, UTP ETHERNET PORT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/FE/A/4T1/NULL/NULL/UTP	4881510000	$ 3,997.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, HARDWARE SUPPORT FOR ACCURATE CLOCK RECOVERY OVER PACKET, 4 T1 PORTS, EMPTY SFP SLOT, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/FE/A/4T1/UTP/UTP/UTP	4881470000	$ 4,267.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, HARDWARE SUPPORT FOR ACCURATE CLOCK RECOVERY OVER PACKET, 4 T1 PORTS, UTP ETHERNET PORT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/FE/C/1E1/UTP/UTP/UTP	4883190000	$ 1,808.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, CARRIER CLASS, 1 E1 PORT, UTP ETHERNET PORT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/FE/C/1T1/UTP/UTP/UTP	4881930000	$ 1,555.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, CARRIER CLASS, 1 T1 PORT, UTP ETHERNET PORT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/FE/C/2T1/UTP/UTP/UTP	4881430000	$ 2,542.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, CARRIER CLASS, 2 T1 PORTS, UTP ETHERNET PORT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/FE/C/4T1/UTP/UTP/UTP	4881370000	$ 3,199.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, CARRIER CLASS, 4 T1 PORTS, UTP ETHERNET PORT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/FE/H/1E1/UTP/UTP/UTP	4883020000	$ 2,094.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, HARDENED ENCLOSURE, 1 E1 PORT, UTP ETHERNET PORT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/FE/H/1E1/UTP/UTP/UTP	4883020000	$ 2,094.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, HARDENED ENCLOSURE, 1 E1 PORT, UTP ETHERNET PORT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/FE/H/1T1/UTP/UTP/N	4883890000	$ 1,801.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, HARDENED ENCLOSURE, 1 T1 PORT, UTP ETHERNET PORT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR

IPMUX-24/FE/H/1T1/UTP/UTP/UTP	4881690000	$	1,801.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, HARDENED ENCLOSURE, 1 T1 PORT, UTP ETHERNET PORT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/FE/H/4T1/N/N/UTP	4883880000	$	3,445.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, HARDENED ENCLOSURE, 4 T1 PORTS, EMPTY SFP SLOT, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/FE/H/4T1/N/UTP/UTP	4884400000	$	3,445.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, HARDENED ENCLOSURE, 4 T1 PORTS, EMPTY SFP SLOT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/FE/H/4T1/UTP/UTP/N	4884150000	$	3,710.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, HARDENED ENCLOSURE, 4 T1 PORTS, UTP ETHERNET PORT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR
IPMUX-24/FE/H/4T1/UTP/UTP/UTP	4881490000	$	3,445.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, HARDENED ENCLOSURE, 4 T1 PORTS, UTP ETHERNET PORT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/FE/H/C/1T1/UTP/UTP/UTP	4882820000	$	2,048.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, HARDENED ENCLOSURE, CARRIER CLASS, 1 T1 PORT, UTP ETHERNET PORT, UTP FOR 10/100BASET INTERFACE, RJ-45 CONNECTOR, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/FE/WRDC/H/A/2T1/N/N/UTP	4883960000	$	3,979.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, WIDE-RANGE DC POWER SUPPLY, HARDENED ENCLOSURE, HARDWARE SUPPORT FOR ACCURATE CLOCK RECOVERY OVER PACKET, 2 T1 PORTS, EMPTY SFP SLOT, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/FE/WRDC/H/A/C/1T1/UTP/UTP/UTP	4884090000	$	3,076.00	TDM PSEUDOWIRE ACCESS GATEWAY, FAST ETHERNET SFP PORT INTERFACE, WIDE-RANGE DC POWER SUPPLY
IPMUX-24/H/1T1/N/N/N	4884030000	$	2,129.00	TDM PSEUDOWIRE ACCESS GATEWAY, HARDENED ENCLOSURE, 1 T1 PORT, EMPTY SFP SLOT
IPMUX-24/H/1T1/N/N/UTP	4883780000	$	2,130.00	TDM PSEUDOWIRE ACCESS GATEWAY, HARDENED ENCLOSURE, 1 T1 PORT, EMPTY SFP SLOT, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/H/2T1/UTP/N/N	4883980000	$	3,116.00	TDM PSEUDOWIRE ACCESS GATEWAY, HARDENED ENCLOSURE, 2 T1 PORTS, UTP ETHERNET PORT
IPMUX-24/H/4T1/NULL/NULL/UTP	4881160000	$	3,774.00	TDM PSEUDOWIRE ACCESS GATEWAY, HARDENED ENCLOSURE, 4 T1 PORTS, EMPTY SFP SLOT, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/H/A/C/4T1/NULL/NULL/UTP	4881640000	$	5,337.00	TDM PSEUDOWIRE ACCESS GATEWAY, HARDENED ENCLOSURE, HARDWARE SUPPORT FOR ACCURATE CLOCK RECOVERY OVER PACKET, CARRIER CLASS, 4 T1 PORTS, EMPTY SFP SLOT, 1 FE UTP PORT 10/100/1000BT
IPMUX-24/WRDC/H/4T1/NULL/NULL/UTP	4880350000	$	3,979.00	TDM PSEUDOWIRE ACCESS GATEWAY, WIDE-RANGE DC POWER SUPPLY, HARDENED ENCLOSURE, 4 T1 PORTS, EMPTY SFP SLOT, 1 FE UTP PORT 10/100/1000BT
IPMUX-2L/RS232	5172370000	$	640.00	TDM PSEUDOWIRE ACCESS GATEWAY, ADAPTOR CABLE, RS-232 MICRO D-26 (MALE) TO DB-25 (MALE)
IPMUX-2L/RS530	5172450000	$	736.00	TDM PSEUDOWIRE ACCESS GATEWAY, ADAPTOR CABLE, RS-530 MICRO D-26 (MALE) TO DB-25 (MALE)
IPMUX-2L/V35	5172390000	$	640.00	TDM PSEUDOWIRE ACCESS GATEWAY, ADAPTOR CABLE, V.35 MICRO D-26 (MALE) TO M-34 (MALE)
IPMUX-2L/V36	5172560000	$	736.00	TDM PSEUDOWIRE ACCESS GATEWAY, V.36
IR-530/SA	6069010000	$	165.00	IR-530/SA
IR-E1/SA	6069270000	$	446.00	IR-E1/SA
IR-G703/SA/RJ	6069180000	$	594.00	G.703 INTERFACE MODULE FOR ASM S/A MODEMS
IR-G703/SA/TB	6069170000	$	594.00	G.703 INTERFACE MODULE FOR ASM S/A MODEMS
IR-HDB3-SA/B	6069230000	$	128.00	HDB3 INTERFACE MODULE FOR ASM40 S/A
IR-HDB3-SA/UB	6069220000	$	128.00	HDB3 INTERFACE MODULE FOR ASM40 S/A
IR-V24/R	6069070000	$	165.00	V.24 INTERFACE MODULE FOR ASM CARDS
IR-V24/SA	6069030000	$	165.00	V.24 INTERFACE MODULE FOR ASM S/A MODEMS
IR-V35/R	6069040000	$	165.00	V.35 INTERFACE MODULE FOR ASM CARDS
IR-V35/SA	6069000000	$	165.00	IR-V35/SA
KM-2000M-BP-CL	4203050000	$	15.00	BLANK PANEL FOR CL SLOT OF KILOMUX-2000
KM-2000M-BP-ML	4203040000	$	15.00	BLANK PANEL FOR ML SLOT OF KILOMUX-2000
KM-2000M-BP-PS	4203030000	$	15.00	BLANK PANEL FOR PS SLOT OF KILOMUX-2000
KM-2000M-BP-RP1	4203000000	$	15.00	BLANK PANEL FOR ONE SLOT OF KILOMUX-2000
KM-2000M-BP-RP2	4203010000	$	20.00	BLANK PANEL FOR TWO SLOTS OF KILOMUX-2000
KM-2000M-KDI	4202870000	$	834.00	DROP-AND-INSERT MODULE
KM-2000M-KDI/M	4202880000	$	1,050.00	DROP-AND-INSERT MODULE FOR KM-2000, WITH MULTI-DROP
KM-2000M-KHS.1	4202200000	$	700.00	2-CHANNEL HIGH-SPEED MODULE
KM-2000M-KHS.2	4202800000	$	825.00	2-CHANNEL ENHANCED HIGH-SPEED MODULE
KM-2000M-KLS.1/N	4202010000	$	420.00	NEW 2-CHANNEL LOW-SPEED MODULE
KM-2000M-KML.1/N	4201320000	$	834.00	NEW V.35 MAIN LINK MODULE
KM-2000M-KML.10	4201400000	$	1,525.00	ISDN S INTERFACE MAIN LINK MODULE
KM-2000M-KML.2/N	4201330000	$	825.00	NEW V.24 MAIN LINK MODULE
KM-2000M-KML.3/N	4201340000	$	834.00	NEW RS-530 MAIN LINK MODULE
KM-2000M-KML.4/N	4201350000	$	1,121.00	NEW X.21 MAIN LINK MODULE
KM-2000M-KML.7	4201170000	$	1,610.00	FRACTIONAL T1 MAIN LINK MODULE
KM-2000M-KML.8	4201220000	$	2,156.00	FRACTIONAL E1 MAIN LINK MODULE
KM-2000M-KMLF/FC13L	4201810000	$	2,100.00	FIBER OPTIC 1310 NM SINGLE MODE LASER MAIN LINK FOR KM-2000/2100, FC CONNECTOR
KM-2000M-KMLF/ST13L	4201800000	$	2,099.00	FIBER OPTIC 1310 NM SINGLE MODE LASER MAIN LINK MODULE, ST CONNECTOR
KM-2000M-KPS.3	4201020000	$	485.00	POWER SUPPLY MODULE, ¿48 VDC
KM-2000M-KPS.5	4201040000	$	485.00	POWER SUPPLY MODULE, 24 VDC
KM-2000M-KPS.7	4201070000	$	1,121.00	POWER SUPPLY MODULE, ¿48 VDC, HIGH POWER (56W)
KM-2000M-KVC.1M/C/E	4204140000	$	1,150.00	2-CHANNEL PCM/ADPCM VOICE MODULE, ECHO CANCELLATION, 2/4-WIRE E&M
KM-2000M-KVC.1M/C/E/48	4204300000	$	1,150.00	2-CHANNEL PCM/ADPCM VOICE MODULE, ECHO CANCELLATION, 2/4-WIRE E&M, EXTERNAL -48 VDC
KM-2000M-KVC.1M/C/O	4204150000	$	1,150.00	FXO PCM/ADPCM VOICE MODULE, ECHO CANCELLATION
KM-2000M-KVC.1M/C/P	4204170000	$	1,400.00	FXS PCM/ADPCM VOICE MODULE, ECHO CANCELLATION, INTERNAL RINGER
KM-2000M-KVC.1M/E	4204100000	$	834.00	2-CHANNEL PCM/ADPCM VOICE MODULE, 2/4-WIRE E&M
KM-2000M-KVC.1M/E&M/48	4207100000	$	825.00	2-CHANNEL PCM/ADPCM VOICE MODULE, 2/4-WIRE E&M, EXTERNAL -48 VDC
KM-2000M-KVC.1M/EC/FXS	4204160000	$	1,253.00	FXS PCM/ADPCM MOD+ECAN FOR KM-2000/2100
KM-2000M-KVC.1M/O	4204110000	$	834.00	FXO PCM/ADPCM VOICE MODULE
KM-2000M-KVC.1M/S	4204120000	$	978.00	FXS PCM/ADPCM VOICE MODULE
KM-2000M-KVF.4/E&M	4203410000	$	1,675.00	2-CHANNEL E&M G.723 VOICE COMPRESSION MODULE
KM-2000M-KVF.4/E&M/E	4203570000	$	1,675.00	E&M 2-CHANNEL G.723 VOICE COMPRESSION MODULE + EXTERNAL RINGER FOR KM-2100

KM-2000M-KVF.4/FXO	4203450000	$	1,675.00	2-CHANNEL FXO G.723 VOICE COMPRESSION MODULE
KM-2000M-KVF.4/FXS	4203420000	$	1,800.00	2-CHANNEL FXS G.723 VOICE COMPRESSION MODULE
KM-2000M-KVF.4/FXSP	4203430000	$	2,100.00	2-CHANNEL FXS G.723 VOICE COMPRESSION MODULE, PHANTOM FEEDING
KM-2100/24/EU	4251340000	$	1,800.00	3U MODULAR SUB-RATE MUX, +24 VDC WITH ETH UTP
KM-2100/24/EU/IP	4251390000	$	3,900.00	DATA, VOICE, FAX AND LAN INTEGRATING MODULAR MULTIPLEXER
KM-2100/24/EU/T1	4251320000	$	3,400.00	3U MODULAR SUB-RATE MUX, 24, CL 2, T1 ML
KM-2100/24/EU/V24	4251140000	$	2,650.00	MODULAR SUB-RATE MULTIPLEXER, 24 VDC, COMMON LOGIC 2, UTP MANAGEMENT MODULE, V.24 MAIN LINK
KM-2100/24/EU/V35	4250230000	$	2,650.00	3U MODULAR SUB-RATE MUX, +24 VDC POWER SUPPLY, COMMON LOGIC 2, UTP MANAGEMENT PORT MODULE, V.35 DATA INTERFACE
KM-2100/24/EU/V36	4250770000	$	2,650.00	3U MODULAR SUB-RATE MUX, +24 VDC POWER SUPPLY, COMMON LOGIC 2, UTP MANAGEMENT PORT MODULE, V.36 DATA INTERFACE
KM-2100/48/EU/FC13L	4251200000	$	3,900.00	3U MODULAR SUB-RATE MUX, -48 VDC,CL2,SM.1310 NM,L
KM-2100/48/EU/IP	4251280000	$	3,900.00	3U MODULAR SUB-RATE MUX, -48 VDC, CL 2, WITH IP
KM-2100/48/EU/ST13L	4251370000	$	3,900.00	3U MODULAR SUB-RATE MUX, -48 VDC,CL2,SM.1310 NM,L
KM-2100/48/EU/T1	4251310000	$	3,400.00	3U MODULAR SUB-RATE MUX, 48, CL 2, T1 ML
KM-2100/48/EU/V35	4250220000	$	2,650.00	MODULAR SUB-RATE MULTIPLEXER, ¿48 VDC, COMMON LOGIC 2, UTP MANAGEMENT MODULE, V.35 MAIN LINK
KM-2100/48HP/EU/T1	4251210000	$	3,975.00	3U MODULAR SUB-RATE MUX, -48 HP, CL 2, WITH T1 ML
KM-2100/48HP/EU/V36	4250520000	$	3,200.00	MODULAR SUB-RATE MULTIPLEXER, ¿48 VDC HIGH POWER, COMMON LOGIC 2, UTP MANAGEMENT MODULE, V.36 MAIN LINK
KM-2100/AC	4251300000	$	2,050.00	3U MODULAR SUB-RATE MUX, AC, KCL2 NO UTP, NO ML
KM-2100/AC/EU	4251270000	$	2,050.00	MODULAR MUTIPLEXER, AC WITH ETH UTP
KM-2100/AC/EU/E1	4250470000	$	4,428.00	MODULAR SUB-RATE MULTIPLEXER, 100-240 VAC, COMMON LOGIC 2, UTP MANAGEMENT MODULE, E1 MAIN LINK
KM-2100/AC/EU/IP	4250970000	$	3,766.00	3U MODULAR SUB-RATE MUX, 100-240 VAC, COMMON LOGIC 2, UTP MANAGEMENT PORT MODULE, TDMOIP MAIN LINK
KM-2100/AC/EU/T1	4250530000	$	3,275.00	3U MODULAR SUB-RATE MUX, 100-240 VAC, COMMON LOGIC 2, UTP MANAGEMENT PORT MODULE, T1 MAIN LINK
KM-2100/AC/EU/V35	4250140000	$	2,501.00	3U MODULAR SUB-RATE MUX, 100-240 VAC, COMMON LOGIC 2, UTP MANAGEMENT PORT MODULE, V.35 DATA INTERFACE
KM-2100/AC/EU/V36	4250010000	$	2,501.00	3U MODULAR SUB-RATE MUX, 100-240 VAC, COMMON LOGIC 2, UTP MANAGEMENT PORT MODULE, V.36 DATA INTERFACE
KM-2100/AC/V35	4250000000	$	2,500.00	3U MODULAR SUB-RATE MUX, 100-240 VAC, V.35 DATA INTERFACE
KM-2100/RM	4250940000	$	69.00	3U MODULAR SUB-RATE MUX, RACK MOUNT FOR KM-2100
KM-2100M-KAI	4251440000	$	501.00	ALARM INDICATION MODULE, ENABLES REVERSE MOUNTING OF KILOMUX-2100
KM-2100M-KCL.2	4251000000	$	975.00	COMMON LOGIC 2 MODULE FOR KM-2100
KM-2100M-KCL.2/EU	4251020000	$	975.00	COMMON LOGIC 2 MODULE, 10BASET ETHERNET MANAGEMENT PORT, UTP INTERFACE
KM-2100M-KCL.2/EU/CARD	4250720000	$	140.00	COMMON LOGIC 2 MODULE FOR KM-2100, 10BASET ETHERNET MANAGEMENT PORT, UTP INTERFACE, KIT FOR
KM-2100M-KHS.703	4250390000	$	1,325.00	2-PORT G.703 CODIRECTIONAL HIGH-SPEED MODULE
KM-2100M-KMBE/UTP	4250580000	$	1,675.00	ETHERNET BRIDGE MODULE, 10BASET ETHERNET MANAGEMENT PORT, UTP INTERFACE
KM-2100M-KPS.8	4250920000	$	719.00	POWER SUPPLY MODULE, 115/230 VAC
KM-2100M-KVF.6/31E	4250560000	$	9,775.00	G.723 VOICE COMPRESSION MODULE, FULL-E1 TRUNK
KM-2100M-KVF.8/E&M	4250650000	$	3,335.00	8-CHANNEL E&M G.723 VOICE COMPRESSION MODULE
KM-2100M-KVF.8/FXO	4250640000	$	3,625.00	8-CHANNEL FXO G.723 VOICE COMPRESSION MODULE
KM-2100M-KVF.8/FXS	4250630000	$	3,910.00	8-CHANNEL FXS G.723 VOICE COMPRESSION MODULE
KM-2104/48/EU/T1	4260350000	$	3,000.00	1U MODULAR SUB-RATE MUX, -48 VDC, COMMON LOGIC 2, 10BASET ETHERNET MANAGEMENT PORT, UTP INTERFACE, T1 MAIN LINK
KM-2104/48/EU/V24	4260370000	$	2,225.00	1U MOD. SUB-RATE MUX, -48 VDC, CL 2, WITH V.24 ML
KM-2104/48/EU/V35	4260260000	$	2,214.00	1U MODULAR SUB-RATE MUX, -48 VDC, COMMON LOGIC 2, 10BASET ETHERNET MANAGEMENT PORT, UTP INTERFACE, V.35 MAIN LINK
KM-2104/48/EU/V36	4260250000	$	2,225.00	1U MODULAR SUB-RATE MUX, -48 VDC, COMMON LOGIC 2, 10BASET ETHERNET MANAGEMENT PORT, UTP INTERFACE, V.36 MAIN LINK
KM-2104/48/V24	4260340000	$	2,225.00	1U MODULAR SUB-RATE MUX, -48 VDC, V.24 MAIN LINK
KM-2104/48/V35	4260020000	$	2,225.00	1U MODULAR SUB-RATE MUX, -48 VDC, V.35 MAIN LINK
KM-2104/48/V36	4260240000	$	2,225.00	1U MODULAR SUB-RATE MUX, -48 VDC, V.36 MAIN LINK
KM-2104/AC/E1	4260330000	$	3,850.00	1U MODULAR SUB-RATE MUX, 100-240 VAC, E1 MAIN LINK
KM-2104/AC/EU/E1	4260070000	$	3,853.00	MODULAR SUB-RATE MULTIPLEXER, 100-240 VAC, COMMON LOGIC 2, 10BASET ETHERNET, E1 MAIN LINK
KM-2104/AC/EU/IP	4260310000	$	3,335.00	MODULAR SUB-RATE MULTIPLEXER, 100-240 VAC, COMMON LOGIC 2, 10BASET ETHERNET MANAGEMENT PORT, UTP INTERFACE, TDMOIP MAIN LINK
KM-2104/AC/EU/S	4260030000	$	2,775.00	1U MODULAR SUB-RATE MUX, 100-240 VAC, COMMON LOGIC 2, 10BASET ETHERNET MANAGEMENT PORT, UTP INTERFACE, ISDN S
KM-2104/AC/EU/T1	4260080000	$	2,850.00	1U MODULAR SUB-RATE MUX, 100-240 VAC, COMMON LOGIC 2, 10BASET ETHERNET MANAGEMENT PORT, UTP INTERFACE, T1 MAIN LINK
KM-2104/AC/EU/V24	4260100000	$	2,100.00	1U MODULAR SUB-RATE MUX, 100-240 VAC, COMMON LOGIC 2, 10BASET ETHERNET MANAGEMENT PORT, UTP INTERFACE, V.24 MAIN LINK
KM-2104/AC/EU/V35	4260110000	$	2,099.00	1U MODULAR SUB-RATE MUX, 100-240 VAC, COMMON LOGIC 2, 10BASET ETHERNET MANAGEMENT PORT, UTP INTERFACE, V.35 MAIN LINK
KM-2104/AC/EU/V36	4260180000	$	2,099.00	1U MODULAR SUB-RATE MUX, 100-240 VAC, COMMON LOGIC 2, 10BASET ETHERNET MANAGEMENT PORT, UTP INTERFACE, V.36 MAIN LINK
KM-2104/AC/T1	4260270000	$	2,850.00	1U MODULAR SUB-RATE MUX, 100-240 VAC, T1 MAIN LINK
KM-2104/AC/V24	4260090000	$	2,100.00	1U MODULAR SUB-RATE MUX, 100-240 VAC, V.24 MAIN LINK
KM-2104/AC/V35	4260000000	$	2,100.00	1U MODULAR SUB-RATE MUX, 100-240 VAC, V.35 MAIN LINK
KM-2104/AC/V36	4260010000	$	2,100.00	1U MODULAR SUB-RATE MUX, 100-240 VAC, V.36 MAIN LINK
KMN-2100	4251050000	$	825.00	KM-2100 CHASSIS
KM-RINGER/24	4200360000	$	1,250.00	RING GENERATOR, +24 VDC
KM-RINGER/48	4200230000	$	1,125.00	RING GENERATOR, -48 VDC
KM-RINGER/AC	4200220000	$	690.00	RING GENERATOR, 115/230 VAC
LA-110/SHDSL/4W/ETH	1440960000	$	874.00	ADVANCED IAD, 4-WIRE, SHDSL MAIN LINK, ETHERNET INTERFACE
LA-110/SHDSL/E1	1440100000	$	1,624.00	ADVANCED IAD, 2-WIRE, SHDSL MAIN LINK, E1 USER INTERFACE
LA-110/SHDSL/E1/V35	1440200000	$	1,811.00	ADVANCED IAD, 2-WIRE, SHDSL MAIN LINK, E1 USER INTERFACE, V.35 DATA INTERFACE
LA-110/SHDSL/ETH	1440950000	$	687.00	ADVANCED IAD, 2-WIRE, SHDSL MAIN LINK, ETHERNET INTERFACE
LA-110/SHDSL/IMA/UTP	1441010000	$	1,624.00	ADVANCED IAD, 4-PAIR SHDSL IMA MAIN LINK, UTP
LA-110/SHDSL/T1/V35	1440990000	$	1,224.00	ATM IAD, SHDSL, 2W MAIN LINK, LAN USER, T1 USER
LA-110/SHDSL/V35	1440030000	$	1,016.00	ADVANCED IAD, 2-WIRE, SHDSL MAIN LINK, V.35 DATA INTERFACE
LA-130/SHDSL/E1/4ETH/BASIC	7300120000	$	2,963.00	DSL CELL-SITE GATEWAY, 4 SHDSL PORTS, E1 PORT, 4 ETHERNET PORTS, BASIC OPTION
LA-210/ESHDSL/2W/4ETH/EVPL	5040540000	$	987.00	ADVANCED DSL ACCESS DEVICE, EFM ONLY, 2-WIRE, 4 10/100BASET PORTS, EVPL FUNCTIONALITY

LA-210/ESHDSL/2W/ETH/EVPL	5040570000	$	924.00	ADVANCED DSL ACCESS DEVICE, EFM ONLY, 2-WIRE, 10/100BASET, EVPL FUNCTIONALITY
LA-210/ESHDSL/4W/4ETH/EVPL	5040600000	$	1,121.00	ADVANCED DSL ACCESS DEVICE, EFM ONLY, 4-WIRE, 4 10/100BASET PORTS, EVPL FUNCTIONALITY
LA-210/ESHDSL/4W/ETH/EVPL	5040630000	$	1,164.00	ADVANCED DSL ACCESS DEVICE, EFM ONLY, 4-WIRE, 10/100BASET, EVPL FUNCTIONALITY
LA-210/ESHDSL/8W/4ETH/E1	5040650000	$	1,793.00	ADVANCED DSL ACCESS DEVICE, EFM ONLY, 8-WIRE, 4 10/100BASET PORTS, E1 PORT
LA-210/ESHDSL/8W/4ETH/EVPL	5040660000	$	1,329.00	ADVANCED DSL ACCESS DEVICE, EFM ONLY, 8-WIRE, 4 10/100BASET PORTS, EVPL FUNCTIONALITY
LA-210/ESHDSL/8W/4ETH/EVPL/E1	5040670000	$	2,184.00	ADVANCED DSL ACCESS DEVICE, EFM ONLY, 8-WIRE, 4 10/100BASET PORTS, EVPL FUNCTIONALITY, E1 PORT
LA-210/ESHDSL/8W/ETH/EVPL	5040690000	$	1,392.00	ADVANCED DSL ACCESS DEVICE, EFM ONLY, 8-WIRE, 10/100BASET, EVPL FUNCTIONALITY
LINE-PLUG/ASMI-52L	9514050000	$	2.10	LINE PLUG FOR ASMI-52L 4 PIN (EC350VM-04P)
LRS-102/AC/CL1	4160070000	$	2,846.00	12-SLOT MODEM RACK WITH SNMP MANAGEMENT, 100-240 VAC, COMMON LOGIC MODULE
LRS-102/ACR/CL1	4160230000	$	3,669.00	12-SLOT MODEM RACK WITH SNMP MANAGEMENT, REDUNDANT AC POWER SUPPLY, COMMON LOGIC MODULE
LRS-102/ACR/CL1R	4160220000	$	4,491.00	12-SLOT MODEM RACK WITH SNMP MANAGEMENT, REDUNDANT AC POWER SUPPLY, REDUNDANT COMMON LOGIC MODULE
LRS-102/ACR/CLS1R	4160380000	$	4,744.00	12-SLOT MODEM RACK WITH SNMP MANAGEMENT, REDUNDANT AC POWER SUPPLY, REDUNDANT COMMON LOGIC MODULE WITH STATION CLOCK
LRS-102/AD/CL1	4160180000	$	3,669.00	FRED 4U HIGH, 12 SLOT CENTRAL RACK ,COMMON LOGIC
LRS-102/DCR/CL1	4160240000	$	3,669.00	12-SLOT MODEM RACK WITH SNMP MANAGEMENT, REDUNDANT DC POWER SUPPLY, COMMON LOGIC MODULE
LRS-102/DCR/CL1R	4160090000	$	4,491.00	12-SLOT MODEM RACK WITH SNMP MANAGEMENT, REDUNDANT DC POWER SUPPLY, REDUNDANT COMMON LOGIC MODULE
LRS-102/DCR/CLS1	4160130000	$	3,795.00	12-SLOT MODEM RACK WITH SNMP MANAGEMENT, REDUNDANT DC POWER SUPPLY, COMMON LOGIC MODULE WITH STATION CLOCK
LRS-102-CL/CL1	4160160000	$	823.00	LRS-102 COMMON LOGIC MODULE, COMMON LOGIC MODULE
LRS-102-CL/CLS1	4160117000	$	949.00	LRS-102 COMMON LOGIC MODULE, COMMON LOGIC MODULE WITH STATION CLOCK
LRS-102-PS/AC	4160060000	$	823.00	LRS-102 POWER SUPPLY, 100-240 VAC
LRS-102-PS/DC	4160140000	$	823.00	LRS-102 POWER SUPPLY, DC
MIRICI-155	5130210000	$	1,663.00	INTELLIGENT MINIATURE GIGABIT ETHERNET TO STM-1/OC-3 REMOTE BRIDGE
MIRICIDS1_CS2/FE	5130590000	$	578.00	INTELLIGENT MINIATURE ETHERNET TO E1/T1 REMOTE BRIDGE, FOR CISCO, FAST ETHERNET SFP PORT INTERFACE
MIRICI-E1T1/FE	5130030000	$	693.00	INTELLIGENT MINIATURE ETHERNET TO E1/T1 REMOTE BRIDGE, FAST ETHERNET SFP PORT INTERFACE
MIRICI-E1T1/FE/H	5130540000	$	751.00	INTELLIGENT MINIATURE ETHERNET TO E1/T1 REMOTE BRIDGE, FAST ETHERNET SFP PORT INTERFACE, HARDENED ENCLOSURE
MIRICI-E1T1/GE	5130040000	$	776.00	INTELLIGENT MINIATURE ETHERNET TO E1/T1 REMOTE BRIDGE, 10/100/1000 BASET ETHERNET USER PORT
MIRICI-E3T3/FE	5130050000	$	1,109.00	INTELLIGENT MINIATURE ETHERNET TO E3/T3 REMOTE BRIDGE, FAST ETHERNET SFP PORT INTERFACE
MIRICI-E3T3/GE	5130010000	$	1,220.00	INTELLIGENT MINIATURE ETHERNET TO E3/T3 REMOTE BRIDGE, 10/100/1000 BASET ETHERNET USER PORT
MITOP-E1T1/FE	5180030000	$	901.00	SFP-FORMAT TDM PSEUDOWIRE GATEWAY, FAST ETHERNET SFP PORT INTERFACE
MITOP-E1T1/GE	5180130000	$	1,109.00	SFP-FORMAT TDM PSEUDOWIRE GATEWAY, 10/100/1000 BASET ETHERNET USER PORT
MITOP-E3T3/FE	5180060000	$	1,663.00	MINIATURE E3T3 TDM PSEUDOWIRE GATEWAY, FAST ETHERNET SFP PORT INTERFACE
MITOP-E3T3/FE/H	5180070000	$	2,079.00	MINIATURE E3T3 TDM PSEUDOWIRE GATEWAY, FAST ETHERNET SFP PORT INTERFACE, HARDENED ENCLOSURE
MITOP-E3T3/GE	5180180000	$	1,940.00	MINIATURE E3T3 TDM PSEUDOWIRE GATEWAY, 10/100/1000 BASET ETHERNET USER PORT
MP-2100/115/2UTP	7646140000	$	4,066.00	MODULAR INTEGRATED ACCESS MULTIPLEXER, 4U CHASSIS WITH 12 MODULE SLOTS AND CL.2 COMMON LOGIC MODULE, 115 VAC, 10BASET MANAGEMENT PORT
MP-2100/115/R/2UTP	7646220000	$	7,047.00	MODULAR INTEGRATED ACCESS MULTIPLEXER, 4U CHASSIS WITH 12 MODULE SLOTS AND CL.2 COMMON LOGIC MODULE, 115 VAC, REDUNDANT POWER SUPPLY AND COMMON LOGIC, 10BASET MANAGEMENT PORT
MP-2100/230/2UTP	7644320000	$	5,489.00	MODULAR INTEGRATED ACCESS MULTIPLEXER, 4U CHASSIS WITH 12 MODULE SLOTS AND CL.2 COMMON LOGIC MODULE, 230 VAC, 10BASET MANAGEMENT PORT
MP-2100/230/R/2UTP	7644030000	$	9,514.00	MODULAR INTEGRATED ACCESS MULTIPLEXER, 4U CHASSIS WITH 12 MODULE SLOTS AND CL.2 COMMON LOGIC MODULE, 230 VAC, REDUNDANT POWER SUPPLY AND COMMON LOGIC, 10BASET MANAGEMENT PORT
MP-2100/230/RP/2UTP	7646680000	$	7,268.00	MODULAR 4U MEGAPLEX WITH COMMON LOGIC 2, REDUNDANT 230 VAC POWER SUPPLY, 10BASET UTP ETHERNET MANAGEMENT PORT
MP-2100/24/2UTP	7646120000	$	4,534.00	MODULAR INTEGRATED ACCESS MULTIPLEXER, 4U CHASSIS WITH 12 MODULE SLOTS AND CL.2 COMMON LOGIC MODULE, 24 VDC, 10BASET MANAGEMENT PORT
MP-2100/24/2UTP/FLG	7660300000	$	4,534.00	MODULAR INTEGRATED ACCESS MULTIPLEXER, 4U CHASSIS WITH 12 MODULE SLOTS AND CL.2 COMMON LOGIC MODULE, 24 VDC, 10BASET MANAGEMENT PORT, FLOATING GROUND
MP-2100/24/R/2UTP	7646130000	$	7,934.00	MODULAR INTEGRATED ACCESS MULTIPLEXER, 4U CHASSIS WITH 12 MODULE SLOTS AND CL.2 COMMON LOGIC MODULE, 24 VDC, REDUNDANT POWER SUPPLY AND COMMON LOGIC, 10BASET MANAGEMENT PORT
MP-2100/24/RP/2UTP	7651770000	$	5,951.00	MODULAR 4U MEGAPLEX WITH COMMON LOGIC 2, 230 VAC, REDUNDANT POWER SUPPLY, 10BASET UTP ETHERNET MANAGEMENT PORT
MP-2100/48/2UTP	7643850000	$	4,336.00	MODULAR INTEGRATED ACCESS MULTIPLEXER, 4U CHASSIS WITH 12 MODULE SLOTS AND CL.2 COMMON LOGIC MODULE, -48 VDC, 10BASET MANAGEMENT PORT
MP-2100/48/R/2UTP	7644010000	$	7,589.00	MODULAR INTEGRATED ACCESS MULTIPLEXER, 4U CHASSIS WITH 12 MODULE SLOTS AND CL.2 COMMON LOGIC MODULE, -48 VDC, REDUNDANT POWER SUPPLY AND COMMON LOGIC, 10BASET MANAGEMENT PORT
MP-2100/48/RP/2UTP	7646700000	$	5,951.00	MODULAR 4U MEGAPLEX WITH COMMON LOGIC 2, REDUNDANT ?48 VDC POWER SUPPLY, 10BASET UTP ETHERNET MANAGEMENT PORT
MP-2100-LP/SUP/RM	7648490000	$	100.00	LP SUPPORT RACK MOUNT ARM
MP-2100M-ACM	7644130000	$	948.00	ALARM AND DIAGNOSTICS MODULE FOR MP-2100/2104
MP-2100M-BP-CL	7645870000	$	15.00	4U COMMON LOGIC BLANK PANEL, SINGLE SLOT
MP-2100M-BP-IO/1	7645530000	$	17.00	4U I/O BLANK PANEL, SINGLE SLOT
MP-2100M-BP-IO/2	7645540000	$	20.00	4U I/O BLANK PANEL, DUAL SLOT
MP-2100M-BP-PS	7645860000	$	20.00	4U POWER SUPPLY BLANK PANEL, SINGLE SLOT
MP-2100M-CL.2/UTP	7642670000	$	2,033.00	COMMON LOGIC 2 FOR MP-2100, 10BASET UTP ETHERNET MANAGEMENT PORT
MP-2100M-HS-12N/232	7649820000	$	3,388.00	12-PORT HIGH-SPEED MODULE FOR MP-2100/2104/4100, RS-232 INTERFACE
MP-2100M-HS-12N/422	7649790000	$	3,388.00	12-PORT HIGH-SPEED MODULE FOR MP-2100/2104/4100, RS-422 INTERFACE
MP-2100M-HS-12N/V35	7649830000	$	3,388.00	12-PORT HIGH-SPEED MODULE FOR MP-2100/2104/4100, V.35 INTERFACE
MP-2100M-HS-2	7641520000	$	1,355.00	4U MODULE, N X 64 KBPS, HIGH-SPEED DATA, 2-CHANNEL
MP-2100M-HS-6N/232	7649810000	$	2,440.00	6-PORT HIGH-SPEED MODULE FOR MP-2100/2104/4100, RS-232 INTERFACE
MP-2100M-HS-6N/422	7649770000	$	2,440.00	6-PORT HIGH-SPEED MODULE FOR MP-2100/2104/4100, RS-422 INTERFACE
MP-2100M-HS-6N/V35	7649800000	$	2,440.00	6-PORT HIGH-SPEED MODULE FOR MP-2100/2104/4100, V.35 INTERFACE
MP-2100M-HS-703	7602800000	$	2,168.00	4-PORT G.703 CODIRECTIONAL DATA MODULE FOR MP-2100/2104/4100
MP-2100M-HS-DP/3	7649580000	$	2,575.00	OFFICE CHANNEL DATA PORT MODULE FOR MP-2100/2104, 3 PORTS
MP-2100M-HS-ETH/F/UTP/1	7648690000	$	1,701.00	4U MODULE, ETHERNET,10/100BASET BRIDGE WITH VLAN SUPPORT,1 PORT
MP-2100M-HS-ETH/F/UTP/2	7648680000	$	1,983.00	ETHERNET BRIDGE/ROUTER MODULE FOR MP-2100/2104, 10/100BASET BRIDGE WITH VLAN SUPPORT, 1 FE UTP PORT 10/100/1000BT, 2 PORTS
MP-2100M-HS-ETH/F/UTP/4	7648670000	$	2,550.00	ETHERNET BRIDGE/ROUTER MODULE FOR MP-2100/2104, 10/100BASET BRIDGE WITH VLAN SUPPORT, 1 FE UTP PORT 10/100/1000BT, 4 E1/T1 PORTS

				ETHERNET BRIDGE/ROUTER MODULE FOR MP-2100/2104, 10/100BASET BRIDGE WITH VLAN SUPPORT, 1 FE UTP PORT 10/100/1000BT, 4 E1/T1 PORTS, SUPPORTS INTERNAL BUSES C
MP-2100M-HS-ETH/F/UTP/4/CD	7652590000	$	2,550.00	AND D
MP-2100M-HS-ETH/R/UTP/1	7648170000	$	1,701.00	4U MODULE, ETHERNET, 10BASET EDGE ROUTER,1 PORT
MP-2100M-HS-ETH/R/UTP/2	7648480000	$	1,983.00	ETHERNET BRIDGE/ROUTER MODULE FOR MP-2100/2104, 10BASET EDGE ROUTER, 1 FE UTP PORT 10/100/1000BT, 2 PORTS
MP-2100M-HS-ETH/R/UTP/4	7648160000	$	2,550.00	ETHERNET BRIDGE/ROUTER MODULE FOR MP-2100/2104, 10BASET EDGE ROUTER, 1 FE UTP PORT 10/100/1000BT, 4 E1/T1 PORTS
MP-2100M-HS-ETH/SW/UTP/4	7649670000	$	1,883.00	ETHERNET BRIDGE/ROUTER MODULE FOR MP-2100/2104, 10/100BASET EDGE SWITCH, 1 FE UTP PORT 10/100/1000BT, 4 E1/T1 PORTS
MP-2100M-HS-ETH/V/UTP/1	7648470000	$	1,701.00	4U MODULE, ETHERNET,10BASET BRIDGE WITH VLAN SUPPORT,1 PORT
MP-2100M-HS-ETH/V/UTP/2	7647620000	$	1,983.00	ETHERNET BRIDGE/ROUTER MODULE FOR MP-2100/2104, 10BASET BRIDGE WITH VLAN SUPPORT, 1 FE UTP PORT 10/100/1000BT, 2 PORTS
MP-2100M-HS-ETH/V/UTP/4	7647440000	$	2,550.00	ETHERNET BRIDGE/ROUTER MODULE FOR MP-2100/2104, 10BASET BRIDGE WITH VLAN SUPPORT, 1 FE UTP PORT 10/100/1000BT, 4 E1/T1 PORTS
MP-2100M-HSF-1/ST85	7649240000	$	2,168.00	SINGLE-PORT FIBER OPTIC TELEPROTECTION INTERFACE MODULE FOR MP-2100/2104, ST CONNECTOR, 850 NM MULTIMODE
MP-2100M-HSF-2/ST/85	7652980000	$	3,253.00	2-PORT FIBER OPTIC TELEPROTECTION INTERFACE MODULE FOR MP-2100/2104/4100, ST CONNECTOR, 850 NM MULTIMODE
MP-2100M-HS-Q/N	7643420000	$	2,168.00	4U MODULE, HIGH-SPEED DATA (56, 64 X N) WITH BERT, 4 PORTS
MP-2100M-HS-RN/HDLC	7649110000	$	1,355.00	4-PORT LOW-SPEED DATA MODULE WITH END-TO-END CONTROL SIGNALING FOR MP-2100/2104/4100, HDLC ENCAPSULATION
MP-2100M-HS-RN/V110	7653140000	$	1,355.00	4-PORT LOW-SPEED DATA MODULE WITH END-TO-END CONTROL SIGNALING FOR MP-2100/2104/4100, V.110 INTERFACE
MP-2100M-HS-S	7641360000	$	2,168.00	4-PORT ISDN "S" INTERFACE DATA MODULE FOR MP-2100/2104/4100
MP-2100M-HS-U-12	7646740000	$	3,523.00	12-PORT ISDN "U" INTERFACE DATA MODULE FOR MP-2100/2104/4100
MP-2100M-HS-U-6	7647660000	$	2,440.00	6-PORT ISDN "U" INTERFACE DATA MODULE FOR MP-2100/2104/4100
MP-2100M-LS12	7645690000	$	1,898.00	12-PORT LOW-SPEED DATA MODULE FOR MP-2100/2104/4100
MP-2100M-LS6N	7646690000	$	1,355.00	6-PORT LOW-SPEED DATA MODULE FOR MP-2100/2104/4100
MP-2100M-ML-1E1	7644330000	$	2,196.00	SINGLE-PORT COPPER INTERFACE E1 MAIN LINK MODULE FOR MP-2100/2104
MP-2100M-ML-1T1	7646230000	$	1,626.00	SINGLE-PORT COPPER INTERFACE T1 MAIN LINK MODULE FOR MP-2100/2104
MP-2100M-ML-20/N/1/530	7649760000	$	1,701.00	4U NX64 MAIN LINK,1 PORT,RS530 INTERFACE
MP-2100M-ML-20/N/2/530	7648210000	$	2,267.00	1/2-PORT N X 64 KBPS MAIN LINK MODULE FOR MP-2100/2104, 2 PORTS, RS-530 INTERFACE
MP-2100M-ML-20N/1/RS449	7651540000	$	1,701.00	4U NX64 MAIN LINK,1 PORT,RS449 INTERFACE
MP-2100M-ML-20N/1/V35	7649150000	$	1,626.00	4U NX64 MAIN LINK,1 PORT,V.35
MP-2100M-ML-20N/1/X21	7649130000	$	1,626.00	4U NX64 MAIN LINK,1 PORT,X.21 INTERFACE
MP-2100M-ML-20N/2/V35	7648200000	$	2,267.00	1/2-PORT N X 64 KBPS MAIN LINK MODULE FOR MP-2100/2104, 2 PORTS, V.35 INTERFACE
MP-2100M-ML-20N/2/X21	7648220000	$	3,060.00	1/2-PORT N X 64 KBPS MAIN LINK MODULE FOR MP-2100/2104, 2 PORTS, X.21 INTERFACE
MP-2100M-ML-2E1	7642190000	$	2,928.00	2-PORT COPPER INTERFACE E1 MAIN LINK MODULE FOR MP-2100/2104
MP-2100M-ML-2E1/BP	7648290000	$	3,175.00	2-PORT COPPER INTERFACE E1 MAIN LINK MODULE FOR MP-2100/2104, BYPASS SUPPORT
MP-2100M-ML-2T1	7643930000	$	2,168.00	2-PORT COPPER INTERFACE T1 MAIN LINK MODULE FOR MP-2100/2104
MP-2100M-ML-8E1	7651950000	$	4,391.00	8-PORT E1 MAIN LINK MODULE WITH BALANCED INTERFACE FOR MP-2100/2104
MP-2100M-ML-8T1	7651920000	$	3,253.00	8-PORT T1 MAIN LINK MODULE FOR MP-2100/2104
MP-2100M-MLF-1E1/SC13L	7649840000	$	3,203.00	SINGLE-PORT E1 FIBER OPTIC MAIN LINK MODULE FOR MP-2100/2104, SC CONNECTOR, 1310 NM LASER
MP-2100M-MLF-1E1/ST85	7647060000	$	2,677.00	SINGLE-PORT E1 FIBER OPTIC MAIN LINK MODULE FOR MP-2100/2104, ST CONNECTOR, 850 NM MULTIMODE
MP-2100M-MLF-1T1/FC13L	7647570000	$	2,481.00	SINGLE-PORT T1 FIBER OPTIC MAIN LINK MODULE FOR MP-2100/2104, FC CONNECTOR, 1310 NM LASER
MP-2100M-MLF-1T1/FC15L	7648770000	$	2,905.00	SINGLE-PORT T1 FIBER OPTIC MAIN LINK MODULE FOR MP-2100/2104, FC CONNECTOR, 1550 NM LASER
MP-2100M-MLF-1T1/FC85	7652660000	$	1,983.00	SINGLE-PORT T1 FIBER OPTIC MAIN LINK MODULE FOR MP-2100/2104, FC CONNECTOR, 850 NM MULTIMODE
MP-2100M-MLF-1T1/SC13L	7651570000	$	2,372.00	SINGLE-PORT T1 FIBER OPTIC MAIN LINK MODULE FOR MP-2100/2104, SC CONNECTOR, 1310 NM LASER
MP-2100M-MLF-1T1/SC85	7651640000	$	1,983.00	SINGLE-PORT T1 FIBER OPTIC MAIN LINK MODULE FOR MP-2100/2104, SC CONNECTOR, 850 NM MULTIMODE
MP-2100M-MLF-1T1/ST13L	7651450000	$	2,372.00	SINGLE-PORT T1 FIBER OPTIC MAIN LINK MODULE FOR MP-2100/2104, ST CONNECTOR, 1310 NM LASER
MP-2100M-MLF-1T1/ST15L	7652830000	$	2,905.00	SINGLE-PORT T1 FIBER OPTIC MAIN LINK MODULE FOR MP-2100/2104, ST CONNECTOR, 1550 NM LASER
MP-2100M-MLF-1T1/ST85	7647540000	$	1,983.00	SINGLE-PORT T1 FIBER OPTIC MAIN LINK MODULE FOR MP-2100/2104, ST CONNECTOR, 850 NM MULTIMODE
MP-2100M-MLF-2E1/SC13L	7648760000	$	4,940.00	2-PORT E1 FIBER OPTIC MAIN LINK MODULE FOR MP-2100/2104, SC CONNECTOR, 1310 NM LASER
MP-2100M-MLF-2E1/ST85	7647070000	$	3,826.00	2-PORT E1 FIBER OPTIC MAIN LINK MODULE FOR MP-2100/2104, ST CONNECTOR, 850 NM MULTIMODE
MP-2100M-MLF-2T1/FC13L	7647530000	$	3,659.00	2-PORT T1 FIBER OPTIC MAIN LINK MODULE FOR MP-2100/2104, FC CONNECTOR, 1310 NM LASER
MP-2100M-MLF-2T1/FC15L	7648060000	$	4,675.00	2-PORT T1 FIBER OPTIC MAIN LINK MODULE FOR MP-2100/2104, FC CONNECTOR, 1550 NM LASER
MP-2100M-MLF-2T1/FC85	7652670000	$	2,834.00	2-PORT T1 FIBER OPTIC MAIN LINK MODULE FOR MP-2100/2104, FC CONNECTOR, 850 NM MULTIMODE
MP-2100M-MLF-2T1/SC13L	7651710000	$	3,659.00	2-PORT T1 FIBER OPTIC MAIN LINK MODULE FOR MP-2100/2104, SC CONNECTOR, 1310 NM LASER
MP-2100M-MLF-2T1/SC85	7652170000	$	2,834.00	2-PORT T1 FIBER OPTIC MAIN LINK MODULE FOR MP-2100/2104, SC CONNECTOR, 850 NM MULTIMODE
MP-2100M-MLF-2T1/ST13L	7649610000	$	3,659.00	2-PORT T1 FIBER OPTIC MAIN LINK MODULE FOR MP-2100/2104, ST CONNECTOR, 1310 NM LASER
MP-2100M-MLF-2T1/ST85	7647550000	$	2,834.00	2-PORT T1 FIBER OPTIC MAIN LINK MODULE FOR MP-2100/2104, ST CONNECTOR, 850 NM MULTIMODE
MP-2100M-ML-IP/2/FC13L/S	7649700000	$	4,109.00	TDMOIP MAIN LINK MODULE FOR MP-2100/2104, FC CONNECTOR, 1310 NM LASER
MP-2100M-ML-IP/2/ST13L/S/1E	7651660000	$	4,392.00	TDMOIP MAIN LINK MODULE FOR MP-2100/2104, ST CONNECTOR, 1310 NM LASER, ECHO CANCELLER
MP-2100M-ML-IP/ST/13L	7649690000	$	3,573.00	TDMOIP MAIN LINK MODULE FOR MP-2100/2104, ST CONNECTOR, 1310 NM LASER
MP-2100M-ML-IP/UTP/1E	7649220000	$	3,117.00	TDMOIP MAIN LINK MODULE FOR MP-2100/2104, 10/100 BASET, ECHO CANCELLER
MP-2100-MN	7641020000	$	1,626.00	4U CHASSIS WITH NO POWER SUPPLY OR COMMON LOGIC
MP-2100M-PS/115	7651720000	$	1,220.00	POWER SUPPLY MODULE FOR MP-2100/2104, 115 VAC
MP-2100M-PS/48	7651750000	$	1,478.00	POWER SUPPLY MODULE FOR MP-2100/2104, -48 VDC
MP-2100M-PS-200/230	7651730000	$	1,647.00	POWER SUPPLY MODULE FOR MP-2100/2104, 230 VAC
MP-2100M-PS-200/24	7651740000	$	1,701.00	POWER SUPPLY MODULE FOR MP-2100/2104, 24 VDC
MP-2100M-VC16/E&M	7646750000	$	2,168.00	16-PORT PCM VOICE MODULE FOR MP-2100/2104/4100, E&M INTERFACE
MP-2100M-VC-16/E&M/4WIRE	7651810000	$	2,710.00	16-PORT PCM VOICE MODULE FOR MP-2100/2104/4100, E&M INTERFACE, 4-WIRE
MP-2100M-VC16/E&M/EXT	7651980000	$	2,267.00	4U 16 ANALOG VOICE CHANNEL/MODULE WITH E&M INTERFA
MP-2100M-VC16/E&M/POS	7651850000	$	2,267.00	16-PORT PCM VOICE MODULE FOR MP-2100/2104/4100, E&M INTERFACE, POSITIVE SIGNALING
MP-2100M-VC16/FXO	7646760000	$	2,303.00	16-PORT PCM VOICE MODULE FOR MP-2100/2104/4100, FXO INTERFACE
MP-2100M-VC16/FXS	7646770000	$	2,440.00	16-PORT PCM VOICE MODULE FOR MP-2100/2104/4100, FXS INTERFACE
MP-2100M-VC16A	7647800000	$	3,138.00	16-PORT ADPCM/PCM VOICE MODULE, NO SIGNALING

MP-2100M-VC-4/E&M	7651860000	$	813.00	4-PORT PCM VOICE MODULE FOR MP-2100/2104/4100, E&M CONNECTOR
MP-2100M-VC-4/E&M/4WIRE	7653120000	$	948.00	4-PORT PCM VOICE MODULE FOR MP-2100/2104/4100, E&M CONNECTOR, 4 WIRE
MP-2100M-VC-4/E&M/OMNI	7651360000	$	2,440.00	4-PORT PCM VOICE MODULE FOR MP-2100/2104/4100, E&M CONNECTOR, OMNIBUS
MP-2100M-VC-4/FXO	7651870000	$	948.00	4-PORT PCM VOICE MODULE FOR MP-2100/2104/4100, FXO
MP-2100M-VC-4/FXS	7651560000	$	1,085.00	4-PORT PCM VOICE MODULE FOR MP-2100/2104/4100, FXS
MP-2100M-VC-4/FXS/FLG	7653290000	$	1,133.00	4-PORT PCM VOICE MODULE FOR MP-2100/2104/4100, FXS, FLOATING GROUND
MP-2100M-VC-4A/E&M	7652950000	$	1,355.00	4-PORT ADPCM VOICE MODULE FOR MP-2100/2104/4100, E&M CONNECTOR
MP-2100M-VC-4A/FXS	7652970000	$	1,626.00	4-PORT ADPCM VOICE MODULE FOR MP-2100/2104/4100, FXS
MP-2100M-VC-6/FXS/LB	7649100000	$	1,828.00	6-CHANNEL PCM VOICE MODULE FOR MP-2100/2104, LOCAL BATTERY
MP-2100M-VC-8/E&M	7647670000	$	1,220.00	8-PORT PCM VOICE MODULE FOR MP-2100/2104/4100, E&M CONNECTOR
MP-2100M-VC-8/E&M/4WIRE	7653130000	$	1,491.00	8-PORT PCM VOICE MODULE FOR MP-2100/2104/4100, E&M CONNECTOR, 4 WIRE
MP-2100M-VC-8/E&M/FLG	7649540000	$	1,275.00	8-PORT PCM VOICE MODULE FOR MP-2100/2104/4100, E&M CONNECTOR, FLOATING GROUND
MP-2100M-VC-8/E&M/POS	7651890000	$	1,275.00	8-PORT PCM VOICE MODULE FOR MP-2100/2104/4100, E&M CONNECTOR, POSITIVE SIGNALING
MP-2100M-VC-8/FXO	7647680000	$	1,355.00	8-PORT PCM VOICE MODULE FOR MP-2100/2104/4100, FXO
MP-2100M-VC-8/FXO/RJ	7651880000	$	1,355.00	8-PORT PCM VOICE MODULE FOR MP-2100/2104/4100, FXO, RJ-12 CONNECTORS
MP-2100M-VC-8/FXS	7647290000	$	1,491.00	8-PORT PCM VOICE MODULE FOR MP-2100/2104/4100, FXS
MP-2100M-VC-8/FXS/RJ	7649780000	$	1,491.00	8-PORT PCM VOICE MODULE FOR MP-2100/2104/4100, FXS, RJ-12 CONNECTORS
MP-2100M-VC8A/E&M	7652230000	$	2,168.00	4U, 8-CH PCM VOICE MODULE, ADPCM,FXO,RJ-12 CONNECTORS
MP-2100M-VC8A/FXO/RJ	7652350000	$	2,440.00	8-PORT ADPCM VOICE MODULE FOR MP-2100/2104/4100, FXO, RJ-12 CONNECTORS
MP-2100M-VC8A/FXS/RJ	7652360000	$	2,710.00	8-PORT ADPCM VOICE MODULE FOR MP-2100/2104/4100, FXS, RJ-12 CONNECTORS
MP-2100M-VFS-24/1T1	7652520000	$	5,691.00	24-CHANNEL DIGITAL VOICE COMPRESSION SERVER MODULE, 1 T1 PORT
MP-2104/115/2UTP	7651140000	$	2,710.00	MODULAR INTEGRATED ACCESS MULTIPLEXER, 2U CHASSIS WITH 5 MODULE SLOTS AND CL.2 COMMON LOGIC MODULE, 115 VAC, 10BASET MANAGEMENT PORT
MP-2104/115/2UTP/RI	7651150000	$	3,253.00	MODULAR INTEGRATED ACCESS MULTIPLEXER, 2U CHASSIS WITH 5 MODULE SLOTS AND CL.2 COMMON LOGIC MODULE, 115 VAC, INTERNAL RINGER, 10BASET MANAGEMENT PORT
MP-2104/230/2UTP	7650660000	$	3,659.00	MODULAR INTEGRATED ACCESS MULTIPLEXER, 2U CHASSIS WITH 5 MODULE SLOTS AND CL.2 COMMON LOGIC MODULE, 230 VAC, 10BASET MANAGEMENT PORT
MP-2104/230/RI/2UTP	7650700000	$	4,391.00	MODULAR INTEGRATED ACCESS MULTIPLEXER, 2U CHASSIS WITH 5 MODULE SLOTS AND CL.2 COMMON LOGIC MODULE, 230 VAC, INTERNAL RINGER, 10BASET MANAGEMENT PORT
MP-2104/24/2UTP	7650680000	$	3,117.00	MODULAR INTEGRATED ACCESS MULTIPLEXER, 2U CHASSIS WITH 5 MODULE SLOTS AND CL.2 COMMON LOGIC MODULE, 24 VDC, 10BASET MANAGEMENT PORT
MP-2104/24/2UTP/FLG	7651800000	$	3,117.00	E1/T1 MULTIPLEXER W/O MAIN LINK + ETH , FG
MP-2104/48/2UTP	7650640000	$	2,981.00	MODULAR INTEGRATED ACCESS MULTIPLEXER, 2U CHASSIS WITH 5 MODULE SLOTS AND CL.2 COMMON LOGIC MODULE, -48 VDC, 10BASET MANAGEMENT PORT
MP-2104/48/2UTP/FLG	7651250000	$	3,117.00	MODULAR INTEGRATED ACCESS MULTIPLEXER, 2U CHASSIS WITH 5 MODULE SLOTS AND CL.2 COMMON LOGIC MODULE, -48 VDC, 10BASET MANAGEMENT PORT, FLOATING GROUND
MP-2104/48/RI/2UTP	7650730000	$	3,967.00	MODULAR INTEGRATED ACCESS MULTIPLEXER, 2U CHASSIS WITH 5 MODULE SLOTS AND CL.2 COMMON LOGIC MODULE, -48 VDC, INTERNAL RINGER, 10BASET MANAGEMENT PORT
MP-2104/MN/115	7650200000	$	1,701.00	MODULAR INTEGRATED ACCESS MULTIPLEXER, 2U, NO COMMON LOGIC, 115 VAC
MP-2104/MN/48	7650600000	$	1,983.00	MODULAR INTEGRATED ACCESS MULTIPLEXER, 2U, NO COMMON LOGIC, ¿48 VDC
MP-2104-MN/115/RI	7651170000	$	2,267.00	MODULAR INTEGRATED ACCESS MULTIPLEXER, 2U, NO COMMON LOGIC, 115 VAC, BUILT-IN RINGER
MP-2104-MN/230	7650210000	$	2,296.00	MODULAR INTEGRATED ACCESS MULTIPLEXER, 2U, NO COMMON LOGIC, 230 VAC
MP-2104-MN/48/RI	7647490000	$	2,550.00	MODULAR MEGAPLEX, -48 VDC, INTERNAL RINGER
MP-4100-1/115R/155GBESFPR/2XSFP2/2XSFP6	4631230000	$	20,842.00	NEXT GENERATION MULTISERVICE ACCESS NODE, 4U CHASSIS WITH PS AND CL.1 COMMON LOGIC MODULES, REDUNDANT 115 VAC POWER SUPPLIES, SECOND CL.1 MODULE, EACH WITH 2 STM-1/OC-3 AND 2 GBE LINKS, SFP SOCKETS FOR BOTH, 2 PLUGGABLE TRANSCEIVERS: FAST ETHERNET/STM 1, 1310 NM, SINGLE MODE, LASER, 15 KM (9.3 MI), 2 PLUGGABLE TRANSCEIVERS: GIGABIT ETHERNET, 1310 NM, SINGLE MODE, LASER, 10.0 KM (6.2 MI)
MP-4100-1/115R/155GBEUTPR/2XSFP2	4630350000	$	20,530.00	4U CHASSIS WITH PS AND CL.1 COMMON LOGIC MODULES, REDUNDANT 115 VAC POWER SUPPLIES, SECOND CL.1 MODULE, EACH WITH 4 STM-1/OC-3 AND 4 GBE PORTS (UTP CONNECTORS), 2 PLUGGABLE TRANSCEIVERS: FAST ETHERNET/STM 1, 1310 NM, SINGLE MODE, LASER, 15 KM (9.3 MI)
MP-4100-1/115R/155GBEUTPR/SFP2	4630360000	$	20,394.00	4U CHASSIS WITH PS AND CL.1 COMMON LOGIC MODULES, REDUNDANT 115 VAC POWER SUPPLIES, SECOND CL.1 MODULE, EACH WITH 4 STM-1/OC-3 AND 4 GBE PORTS (UTP CONNECTORS), PLUGGABLE TRANSCEIVER: FAST ETHERNET/STM-1, 1310 NM, SINGLE MODE, LASER, 15 KM (9.3 MI)
MP-4100-1/115R/155R/2XSFP1	4630480000	$	17,980.00	4U CHASSIS WITH PS AND CL.1 COMMON LOGIC MODULES, REDUNDANT 115 VAC POWER SUPPLIES, SECOND CL.1 MODULE, STM-1/OC-3 PORTS, 2 PLUGGABLE TRANSCEIVERS: FAST ETHERNET/STM 1, 1310 NM, MULTIMODE, LED, 2 KM (1.2 MI)
MP-4100-1/115R/155R/2XSFP2	4630310000	$	17,197.00	4U CHASSIS WITH PS AND CL.1 COMMON LOGIC MODULES, REDUNDANT 115 VAC POWER SUPPLIES, SECOND CL.1 MODULE, STM-1/OC-3 PORTS, 2 PLUGGABLE TRANSCEIVERS: FAST ETHERNET/STM 1, 1310 NM, SINGLE MODE, LASER, 15 KM (9.3 MI)
MP-4100-1/115R/155R/2XSFP4	4631360000	$	18,985.00	NEXT GENERATION MULTISERVICE ACCESS NODE, 4U CHASSIS WITH PS AND CL.1 COMMON LOGIC MODULES, REDUNDANT 115 VAC POWER SUPPLIES, SECOND CL.1 MODULE, STM-1/OC-3 PORTS, 2 PLUGGABLE TRANSCEIVERS: FAST ETHERNET/STM 1, 1550 NM, SINGLE MODE, LASER, 80 KM (49.7 MI)
MP-4100-1/115R/GBESFPR/SFP6	4630510000	$	13,049.00	4U CHASSIS WITH PS AND CL.1 COMMON LOGIC MODULES, REDUNDANT 115 VAC POWER SUPPLIES, SECOND CL.1 MODULE, EACH WITH FOUR GBE PORTS, PLUGGABLE TRANSCEIVER: GIGABIT ETHERNET, 1310 NM, SINGLE MODE, LASER, 10.0 KM (6.2 MI)
MP-4100-1/115R/GBEUTPR	4630320000	$	12,332.00	4U CHASSIS WITH PS AND CL.1 COMMON LOGIC MODULES, REDUNDANT 115 VAC POWER SUPPLIES, SECOND CL.1 MODULE, EACH WITH 4 GBE PORTS (UTP CONNECTORS)
MP-4100-1/115R/R	4631150000	$	10,342.00	NEXT GENERATION MULTISERVICE ACCESS NODE, 4U CHASSIS WITH PS AND CL.1 COMMON LOGIC MODULES, REDUNDANT 115 VAC POWER SUPPLIES, SECOND CL.1 MODULE, CROSS CONNECT ONLY
MP-4100-1/230	4630180000	$	8,033.00	NEXT GENERATION MULTISERVICE ACCESS NODE, 4U CHASSIS WITH PS AND CL.1 COMMON LOGIC MODULES, 230 VAC
MP-4100-1/230R/155R/2XSFP2	4630650000	$	24,273.00	4U CHASSIS WITH PS AND CL.1 COMMON LOGIC MODULES, REDUNDANT 230 VAC POWER SUPPLIES, SECOND CL.1 MODULE, STM-1/OC-3 PORTS, 2 PLUGGABLE TRANSCEIVERS: FAST ETHERNET/STM 1, 1310 NM, SINGLE MODE, LASER, 15 KM (9.3 MI)
MP-4100-1/230R/R	4630370000	$	13,356.00	MULTISERVICE ACCESS NODE, 4U CHASSIS WITH PS AND CL.1 COMMON LOGIC MODULES, REDUNDANT 230 VAC POWER SUPPLIES, SECOND CL.1 MODULE, CROSS CONNECT ONLY
MP-4100-1/24R/155R/2XSFP2	4630680000	$	18,546.00	4U CHASSIS WITH PS AND CL.1 COMMON LOGIC MODULES, REDUNDANT 24 VDC POWER SUPPLY, SECOND CL.1 MODULE, STM-1/OC-3 PORTS, 2 PLUGGABLE TRANSCEIVERS: FAST ETHERNET/STM 1, 1310 NM, SINGLE MODE, LASER, 15 KM (9.3 MI)
MP-4100-1/48R	4630200000	$	7,792.00	NEXT GENERATION MULTISERVICE ACCESS NODE, 4U CHASSIS WITH PS AND CL.1 COMMON LOGIC MODULES, REDUNDANT -48 VDC POWER SUPPLY
MP-4100-1/48R/155/2XSFP2	4630060000	$	11,604.00	4U CHASSIS WITH PS AND CL.1 COMMON LOGIC MODULES, REDUNDANT -48 VDC POWER SUPPLY, 2 STM-1/OC-3 LINKS, 2 PLUGGABLE TRANSCEIVERS: FAST ETHERNET/STM 1, 1310 NM, SINGLE MODE, LASER, 15 KM (9.3 MI)

MP-4100-1/48R/155GBESFPR/2XSFP2/2XSFP6	4630390000	$	21,408.00	4U CHASSIS WITH PS AND CL.1 COMMON LOGIC MODULES, REDUNDANT -48 VDC POWER SUPPLY, SECOND CL.1 MODULE, EACH WITH 2 STM-1/OC-3 AND 2 GBE LINKS, SFP SOCKETS FOR BOTH, 2 PLUGGABLE TRANSCEIVERS: FAST ETHERNET/STM 1, 1310 NM, SINGLE MODE, LASER, 15 KM (9.3 MI), 2 PLUGGABLE TRANSCEIVERS: GIGABIT ETHERNET, 1310 NM, SINGLE MODE, LASER, 10.0 KM (6.2 MI)
MP-4100-1/48R/155R/2XSFP2	4630300000	$	17,740.00	4U CHASSIS WITH PS AND CL.1 COMMON LOGIC MODULES, REDUNDANT -48 VDC POWER SUPPLY, SECOND CL.1 MODULE, STM-1/OC-3 PORTS, 2 PLUGGABLE TRANSCEIVERS: FAST ETHERNET/STM 1, 1310 NM, SINGLE MODE, LASER, 15 KM (9.3 MI)
MP-4100-1/48R/GBESFPR/2XSFP6	4631480000	$	13,771.00	NEXT GENERATION MULTISERVICE ACCESS NODE, 4U CHASSIS WITH PS AND CL.1 COMMON LOGIC MODULES, REDUNDANT -48 VDC POWER SUPPLY
MP-4100-1/48R/GBEUTP	4630250000	$	8,538.00	4U CHASSIS WITH PS AND CL.1 COMMON LOGIC MODULES, REDUNDANT -48 VDC POWER SUPPLY, TWO GBE PORTS (UTP CONNECTORS)
MP-4100-1/48R/GBEUTPR	4630260000	$	12,874.00	NEXT GENERATION MULTISERVICE ACCESS NODE, 4U CHASSIS WITH PS AND CL.1 COMMON LOGIC MODULES, REDUNDANT -48 VDC POWER SUPPLY, SECOND CL.1 MODULE, EACH WITH 4 GBE PORTS (UTP CONNECTORS)
MP-4100-1/48R/R	4630210000	$	10,910.00	MP-4100-1/48R/R*4630210000
MP-4100-2/115R/622GBEASFPR	4632120000	$	18,160.00	NEXT GENERATION MULTISERVICE ACCESS NODE, 4U CHASSIS WITH PS AND CL.2 COMMON LOGIC MODULES, REDUNDANT 115 VAC POWER SUPPLIES, SECOND CL.2 MODULE, WITH STM-4/OC-12 AND SFP GBE PORTS AND WITH CARRIER ETHERNET CAPABILITIES
MP-4100-2/115R/622GBESFPR	4631630000	$	16,151.00	NEXT GENERATION MULTISERVICE ACCESS NODE, 4U CHASSIS WITH PS AND CL.2 COMMON LOGIC MODULES, REDUNDANT 115 VAC POWER SUPPLIES, SECOND CL.2 MODULE, WITH STM-4/OC-12 AND SFP GBE PORTS
MP-4100-2/115R/622GBESFPR/155SK	4631640000	$	13,884.00	NEXT GEN MULTISERVICE ACCESS NODE, 4U CHASSIS WITH PS AND CL.2 CL MODULES, R 115 VAC PS, 2ND CL.2 MODULE, WITH STM-4/OC-12 & SFP GBE PORTS, STM-1/OC3 PORT ACTIVATED
MP-4100-2/115R/622GBEUTPR/155SK	4631650000	$	13,884.00	NEXT GENERATION MULTISERVICE ACCESS NODE, 4U CHASSIS WITH PS AND CL.2 COMMON LOGIC MODULES, REDUNDANT 115 VAC POWER SUPPLIES, SECOND CL.2 MODULE, STM-4/OC-12 AND UTP GBE PORTS, STM-1/OC3 PORT ACTIVATED
MP-4100-2/115R/DS0R	4631810000	$	8,131.00	NEXT GENERATION MULTISERVICE ACCESS NODE, 4U CHASSIS WITH PS AND CL.2 COMMON LOGIC MODULES, REDUNDANT 115 VAC POWER SUPPLIES, REDUNDANT DS0 CROSS CONNECT
MP-4100-2/48R/622GBESFP/155SK	4631450000	$	9,918.00	NEXT GENERATION MULTISERVICE ACCESS NODE, 4U CHASSIS WITH PS AND CL.2 COMMON LOGIC MODULES, REDUNDANT -48 VDC POWER SUPPLY, STM-4/OC-12 AND SFP GBE PORTS, STM-1/OC3 PORT ACTIVATED
MP-4100-2/48R/622GBESFPR	4631470000	$	16,262.00	NEXT GENERATION MULTISERVICE ACCESS NODE, 4U CHASSIS WITH PS AND CL.2 COMMON LOGIC MODULES, REDUNDANT -48 VDC POWER SUPPLY, SECOND CL.2 MODULE, WITH STM-4/OC-12 AND SFP GBE PORTS
MP-4100-2/48R/622GBESFPR/155SK	4631420000	$	14,735.00	NEXT GENERATION MULTISERVICE ACCESS NODE, 4U CHASSIS WITH PS AND CL.2 COMMON LOGIC MODULES, REDUNDANT -48 VDC POWER SUPPLY, SECOND CL.2 MODULE, WITH STM-4/OC-12 AND SFP GBE PORTS, STM-1/OC3 PORT ACTIVATED
MP-4100-2/48R/622GBEUTPR	4631380000	$	17,002.00	NEXT GENERATION MULTISERVICE ACCESS NODE, 4U CHASSIS WITH PS AND CL.2 COMMON LOGIC MODULES, REDUNDANT -48 VDC POWER SUPPLY, SECOND CL.2 MODULE, STM-4/OC-12 AND UTP GBE PORTS
MP-4100-2/48R/622GBEUTPR/155SK	4631390000	$	14,735.00	NEXT GENERATION MULTISERVICE ACCESS NODE, 4U CHASSIS WITH PS AND CL.2 COMMON LOGIC MODULES, REDUNDANT -48 VDC POWER SUPPLY, SECOND CL.2 MODULE, STM-4/OC-12 AND UTP GBE PORTS, STM-1/OC3 PORT ACTIVATED
MP-4100-2/48R/DS0R	4631860000	$	8,944.00	NEXT GENERATION MULTISERVICE ACCESS NODE, 4U CHASSIS WITH PS AND CL.2 COMMON LOGIC MODULES, REDUNDANT -48 VDC POWER SUPPLY, REDUNDANT DS0 CROSS CONNECT
MP-4100-LIC/622SK	4641100000	$	1,626.00	MP-4100 LICENSE ACTIVATION KEY, STM-4/OC12 PORT ACTIVATED
MP-4100M-16E1	4640600000	$	4,574.00	16-PORT E1 MODULE WITH BALANCED INTERFACE FOR MP-4100
MP-4100M-16T1	4640610000	$	3,388.00	16-PORT T1 MODULE FOR MP-4100
MP-4100M-16T1/Y	4641200000	$	3,826.00	16-PORT T1 MODULE FOR MP-4100, Y CABLE
MP-4100M-8E1/3XNULL	4640400000	$	3,826.00	8-PORT E1 MODULE WITH BALANCED INTERFACE FOR MP-4100, 3 EMPTY SFP SLOTS
MP-4100M-8E1/3XUTP	4640360000	$	3,659.00	8-PORT E1 MODULE WITH BALANCED INTERFACE FOR MP-4100, 3 UTP PORTS
MP-4100M-8T1/3XNULL	4640460000	$	2,834.00	8-PORT T1 MODULE FOR MP-4100, 3 EMPTY SFP SLOTS
MP-4100M-8T1/3XUTP	4640370000	$	2,710.00	8-PORT T1 MODULE FOR MP-4100, 3 UTP PORTS
MP-4100M-ASMI-54C/E1/ETH/UTP/N	4641010000	$	4,209.00	8-PORT SHDSL.BIS ETHERNET MODULE FOR MP-4100, E1 PORT, 10/100BASET, 10BASET UTP ETHERNET MANAGEMENT PORT, NEW
MP-4100M-ASMI-54C/ETH/UTP	4640550000	$	2,168.00	8-PORT SHDSL.BIS ETHERNET MODULE FOR MP-4100, 10/100BASET, 10BASET UTP ETHERNET MANAGEMENT PORT
MP-4100M-CL.1	4640210000	$	3,253.00	CL.1 MODULE WITH CROSS CONNECT AND 10/100BASET MANAGEMENT PORT FOR MP-4100
MP-4100M-CL.1/155/2XSFP2	4640560000	$	6,898.00	CL.1 MODULE WITH CROSS CONNECT AND 10/100BASET MANAGEMENT PORT FOR MP-4100, 2 STM-1/OC-3 LINKS, 2 PLUGGABLE TRANSCEIVERS: FAST ETHERNET/STM 1, 1310 NM, SINGLE MODE, LASER, 15 KM (9.3 MI)
MP-4100M-CL.1/155/2XSFP4	4641030000	$	8,217.00	CL.1 MODULE WITH CROSS CONNECT AND 10/100BASET MANAGEMENT PORT FOR MP-4100, 2 STM-1/OC-3 LINKS, 2 PLUGGABLE TRANSCEIVERS: FAST ETHERNET/STM 1, 1550 NM, SINGLE MODE, LASER, 80 KM (49.7 MI)
MP-4100M-CL.1/155GBESFP/2XSFP2/2XSFP6	4640280000	$	8,416.00	CL.1 MODULE WITH CROSS CONNECT AND 10/100BASET MANAGEMENT PORT FOR MP-4100, 2 STM-1/OC-3 PORTS AND 2 GBE PORTS., 2 PLUGGABLE TRANSCEIVERS: FAST ETHERNET/STM 1, 1310 NM, SINGLE MODE, LASER, 15 KM (9.3 MI), 2 PLUGGABLE TRANSCEIVERS: GIGABIT ETHERNET, 1310 NM, SINGLE MODE, LASER, 10.0 KM (6.2 MI)
MP-4100M-CL.1/155GBEUTP/2XSFP2	4640390000	$	8,118.00	CL.1 MODULE WITH CROSS CONNECT AND 10/100BASET MANAGEMENT PORT FOR MP-4100, 2 STM-1/OC-3 AND 2 GBE PORTS(UTP CONNECTOR), 2 PLUGGABLE TRANSCEIVERS: FAST ETHERNET/STM 1, 1310 NM, SINGLE MODE, LASER, 15 KM (9.3 MI)
MP-4100M-CL.1/155GBEUTP/SFP2	4640380000	$	8,351.00	CL.1 MODULE WITH CROSS CONNECT AND 10/100BASET MANAGEMENT PORT FOR MP-4100, 2 STM-1/OC-3 AND 2 GBE PORTS(UTP CONNECTOR), PLUGGABLE TRANSCEIVER: FAST ETHERNET/STM-1, 1310 NM, SINGLE MODE, LASER, 15 KM (9.3 MI)
MP-4100M-CL.1/GBEUTP	4640290000	$	4,336.00	CL.1 MODULE WITH CROSS CONNECT AND 10/100BASET MANAGEMENT PORT FOR MP-4100, TWO GBE PORTS (UTP CONNECTORS)
MP-4100M-CL.2/622GBEASFP	4641140000	$	7,047.00	MP-4100 COMMON LOGIC 2, STM-4/OC-12 AND SFP GBE PORTS WITH CARRIER ETHERNET CAPABILITIES
MP-4100M-CL.2/622GBEASFP/155SK	4641090000	$	5,963.00	MP-4100 COMMON LOGIC 2, STM-4/OC-12 AND SFP GBE PO
MP-4100M-CL.2/622GBEAUTP	4641150000	$	7,047.00	MP-4100 COMMON LOGIC 2, STM-4/OC-12 AND UTP GBE PORTS WITH CARRIER ETHERNET CAPABILITIES
MP-4100M-CL.2/622GBESFP	4640860000	$	5,691.00	MP-4100 COMMON LOGIC 2, STM-4/OC-12 AND SFP GBE PORTS
MP-4100M-CL.2/622GBESFP/155SK	4640870000	$	4,608.00	MP-4100 COMMON LOGIC 2, STM-4/OC-12 AND SFP GBE PORTS, STM-1/OC3 PORT ACTIVATED
MP-4100M-CL.2/622GBESFP/155SK/NF	4631890000	$	4,817.00	MP-4100 COMMON LOGIC 2, STM-4/OC-12 AND SFP GBE PORTS, STM-1/OC3 PORT ACTIVATED, NO FAN
MP-4100M-CL.2/622GBESFP/NF	4641210000	$	5,951.00	MP-4100 COMMON LOGIC 2, STM-4/OC-12 AND SFP GBE PORTS, NO FAN
MP-4100M-CL.2/622GBESFP/NF	4641210000	$	5,951.00	MP-4100 COMMON LOGIC 2, STM-4/OC-12 AND SFP GBE PORTS, NO FAN
MP-4100M-CL.2/622GBEUTP	4640880000	$	5,691.00	MP-4100 COMMON LOGIC 2, STM-4/OC-12 AND UTP GBE PORTS
MP-4100M-CL.2/622GBEUTP/155SK	4640890000	$	4,608.00	MP-4100 COMMON LOGIC 2, STM-4/OC-12 AND UTP GBE PORTS, STM-1/OC3 PORT ACTIVATED
MP-4100M-CL.2/DS0	4641160000	$	2,033.00	MP-4100 COMMON LOGIC 2, DS0 CROSS CONNECT ONLY
MP-4100M-ETH/UTP	4641250000	$	2,267.00	8 ETHERNET INTERFACES
MP-4100-MN	4630050000	$	1,870.00	MEGAPLEX-4100 CHASSIS WITH NO PS OR CL.2 MODULE
MP-4100M-OP-108/ETH/4XNULL	4640500000	$	2,195.00	4-CHANNEL E1 AND ETHERNET MULTIPLEXER MODULE FOR MP-4100, ETHERNET PORT, 4 EMPTY SFP SOCKETS

MP-4100M-PS/115	4640420000	$	1,220.00	POWER SUPPLY MODULE FOR MP-4100, 115 VAC
MP-4100M-PS/230	4640040000	$	1,647.00	POWER SUPPLY MODULE FOR MP-4100, 230 VAC
MP-4100M-PS/48	4640060000	$	1,626.00	POWER SUPPLY MODULE FOR MP-4100, -48 VDC
MP-4100M-PW-1/3XNULL	4640520000	$	3,117.00	8 E1/T1 PSEUDOWIRE MODULE FOR MP-4100, 3 EMPTY SFP SLOTS
MP-4100M-PW-1/3XSFP2	4640900000	$	3,521.00	PSEUDOWIRE MODULE, 8 E1/T1 PORTS FOR MP-4100, 3 PLUGGABLE TRANSCEIVERS: FAST ETHERNET/STM 1, 1310 NM, SINGLE MODE, LASER, 15 KM (9.3 MI)
MP-4100M-PW-1/3XUTP	4640510000	$	2,981.00	8 E1/T1 PSEUDOWIRE MODULE FOR MP-4100, 3 UTP PORTS
MP-4100M-PW-1/A/3XUTP	4640820000	$	4,180.00	8 E1/T1 PSEUDOWIRE MODULE FOR MP-4100, HARDWARE SUPPORT FOR ACCURATE CLOCK RECOVERY OVER PACKET, 3 UTP PORTS
MP-4104-2/48/DS0	6640500000	$	3,545.00	MP-4104-2, 48DC, DS0 CROSS CONNECT ONLY
MP-4104-2/48R/622GBEUTP/155SK	6640390000	$	6,667.00	NEXT GENERATION MULTISERVICE ACCESS NODE , REDUNDANT -48 VDC POWER SUPPLY, STM-4/OC-12 AND UTP GBE PORTS, STM-1/OC3 PORT ACTIVATED
MP-4104-2/48R/DS0R	6640280000	$	6,125.00	NEXT GENERATION MULTISERVICE ACCESS NODE , REDUNDANT -48 VDC POWER SUPPLY, REDUNDANT DS0 CROSS CONNECT
MP-4104-2/ACR/622GBEUTP/155SK	6640340000	$	6,667.00	NEXT GENERATION MULTISERVICE ACCESS NODE , REDUNDANT 90 TO 260 VAC AND 95 TO 300 VDC POWER SUPPLY, STM-4/OC-12 AND UTP GBE PORTS, STM-1/OC3 PORT ACTIVATED
MP-4104-2/ACR/622GBEUTPR/155SK	6640530000	$	11,275.00	NEXT GENERATION MULTISERVICE ACCESS NODE , REDUNDANT 90 TO 260 VAC AND 95 TO 300 VDC POWER SUPPLY, SECOND CL.2 MODULE, STM-4/OC-12 AND UTP GBE PORTS, STM-1/OC3 PORT ACTIVATED
MP-4104-2/ACR/DS0R	6640310000	$	6,125.00	NEXT GENERATION MULTISERVICE ACCESS NODE , REDUNDA
MP-4104M-CL.2/622GBEASFP	6700140000	$	7,047.00	MP-4104 COMMON LOGIC 2, STM-4/OC-12 AND SFP GBE PORTS WITH CARRIER ETHERNET CAPABILITIES
MP-4104M-CL.2/622GBEUTP	6700080000	$	5,692.00	MP-4104 COMMON LOGIC 2, STM-4/OC-12 AND UTP GBE PORTS
MP-CABLE/V35/3	7410100000	$	230.00	MEGAPLEX CABLE, 3-CHANNEL, V.35
MP-CABLE/V35/4	7410000000	$	266.00	MEGAPLEX CABLE, 4-CHANNEL, V.35
MT-120019	9507840000	$	130.00	AIRMUX-ANTENNA BRACKET
ODU MOUNTING KIT	9504160000	$	116.00	MP0040140 KIT FOR ODU
OP-1025/AC/3UTP/2SK	4011300000	$	1,755.00	FIBER MULTIPLEXER FOR 16 T1 AND GIGABIT ETHERNET, 100-240 VAC, 3 10/100/1000BASET UTP PORTS, ADDITIONAL 2 PORTS ACTIVATED
OP-1025/ACR/12SK/3UTP	4012840000	$	2,594.00	FIBER MULTIPLEXER FOR 16 T1 AND GIGABIT ETHERNET, REDUNDANT AC POWER SUPPLY, ADDITIONAL 12 PORTS ACTIVATED, 3 10/100/1000BASET UTP PORTS
OP-1025/ACR/12SK/3UTP/2SK	4012400000	$	2,847.00	FIBER MULTIPLEXER FOR 16 T1 AND GIGABIT ETHERNET, REDUNDANT AC POWER SUPPLY, ADDITIONAL 12 PORTS ACTIVATED, 3 10/100/1000BASET UTP PORTS, ADDITIONAL 2 PORTS ACTIVATED
OP-1025/ACR/4SK/1NULL	4012430000	$	2,297.00	FIBER MULTIPLEXER FOR 16 T1 AND GIGABIT ETHERNET, REDUNDANT AC POWER SUPPLY, ADDITIONAL 4 PORTS ACTIVATED, USER PORT WITH EMPTY SFP SLOT
OP-1025/ACR/4SK/1UTP	4012590000	$	2,088.00	FIBER MULTIPLEXER FOR 16 T1 AND GIGABIT ETHERNET, REDUNDANT AC POWER SUPPLY, ADDITIONAL 4 PORTS ACTIVATED, 1 10/100/1000BT UTP PORT
OP-1025/ACR/A/12SK/3NULL/2SK	4012470000	$	3,340.00	FIBER MULTIPLEXER FOR 16 T1 AND GIGABIT ETHERNET, REDUNDANT AC POWER SUPPLY, ALARM CONNECTOR, ADDITIONAL 12 PORTS ACTIVATED, 4 USER PORTS WITH EMPTY SFP SLOT, ADDITIONAL 2 PORTS ACTIVATED
OP-1025/ACR/A/8SK/1UTP2NULL/2SK	4011310000	$	2,299.00	FIBER MULTIPLEXER FOR 16 T1 AND GIGABIT ETHERNET, REDUNDANT AC PS, ALARM CONNECTOR, ADDL 8 PORTS ACTIVATED, 1 10/100/1000BASET UTP PORT, 2 PORTS WITH EMPTY SFP SLOT, ADDL 2 PORTS ACTIVATED
OP-1025/DCR/12SK/1UTP	4012240000	$	2,594.00	FIBER MULTIPLEXER FOR 16 T1 AND GIGABIT ETHERNET, REDUNDANT DC POWER SUPPLY, ADDITIONAL 12 PORTS ACTIVATED, 1 10/100/1000BT UTP PORT
OP-1025/DCR/12SK/3UTP	4012850000	$	2,594.00	FIBER MULTIPLEXER FOR 16 T1 AND GIGABIT ETHERNET, REDUNDANT DC POWER SUPPLY, ADDITIONAL 12 PORTS ACTIVATED, 3 10/100/1000BASET UTP PORTS
OP-1025/DCR/12SK/3UTP/2SK	4012830000	$	2,847.00	FIBER MULTIPLEXER FOR 16 T1 AND GIGABIT ETHERNET, REDUNDANT DC POWER SUPPLY, ADDITIONAL 12 PORTS ACTIVATED, 3 10/100/1000BASET UTP PORTS, ADDITIONAL 2 PORTS ACTIVATED
OP-1025/DCR/A/12SK/3NULL/2SK	4012490000	$	3,340.00	FIBER MULTIPLEXER FOR 16 T1 AND GIGABIT ETHERNET, REDUNDANT DC POWER SUPPLY, ALARM CONNECTOR, ADDITIONAL 12 PORTS ACTIVATED, 4 USER PORTS WITH EMPTY SFP SLOT, ADDITIONAL 2 PORTS ACTIVATED
OP-1025/PSR/A/12SK/1UTP	4012220000	$	2,726.00	FIBER MULTIPLEXER FOR 16 T1 AND GIGABIT ETHERNET, REDUNDANT POWER SUPPLY, ALARM CONNECTOR, ADDITIONAL 12 PORTS ACTIVATED, 1 10/100/1000BT UTP PORT
OP-1025/PSR/A/1NULL	4013260000	$	1,967.00	FIBER MULTIPLEXER FOR 16 T1 AND GIGABIT ETHERNET, REDUNDANT POWER SUPPLY, ALARM CONNECTOR, USER PORT WITH EMPTY SFP SLOT
OP-1025-LIC/T1/8SK	4010000000	$	633.00	OPTIMUX-1025 LICENSE ACTIVATION KEY, T1 INTERFACE, ADDITIONAL 8 PORTS ACTIVATED
OP-106/24/ETH/SC/13L/H/ME	5201230000	$	1,559.00	FIBER MULTIPLEXER FOR 4 T1 AND ETHERNET OR SERIAL DATA, 24 VDC, ETHERNET PORT, SC CONNECTOR, 1310 NM SINGLE MODE LASER, HARDENED ENCLOSURE, METAL ENCLOSURE
OP-106/24/ETH/SC/SF2	5201170000	$	1,388.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, 24 VDC, ETHERNET PORT, SC CONNECTOR, TX 1550 NM WDM LASER, RX 1310 NM, SINGLE FIBER
OP-106/24/SC/13L	5201180000	$	992.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, 24 VDC, SC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-106/ETH/SC/13	5200210000	$	1,192.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, ETHERNET PORT, SC CONNECTOR, 1310 NM MULTIMODE LED
OP-106/ETH/SC/13/D	5201290000	$	1,530.00	FIBER MULTIPLEXER FOR 4 T1 AND ETHERNET OR SERIAL DATA, ETHERNET PORT, SC CONNECTOR, 1310 NM MULTIMODE LED, DUAL UPLINK
OP-106/ETH/SC/13L	5200030000	$	1,085.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, ETHERNET PORT, SC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-106/ETH/SC/13L/D	5200790000	$	1,304.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, ETHERNET PORT, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-106/ETH/SC/13L/H	5201000000	$	1,275.00	FIBER MULTIPLEXER FOR 4 T1 AND ETHERNET OR SERIAL DATA, ETHERNET PORT, SC CONNECTOR, 1310 NM SINGLE MODE LASER, HARDENED ENCLOSURE
OP-106/ETH/SC/13L/H/ME	5201030000	$	1,417.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, ETHERNET PORT, SC CONNECTOR, 1310 NM SINGLE MODE LASER, HARDENED ENCLOSURE, METAL ENCLOSURE
OP-106/ETH/SC/13LH	5201300000	$	1,246.00	FIBER MULTIPLEXER FOR 4 T1 AND ETHERNET OR SERIAL DATA, ETHERNET PORT, SC CONNECTOR, 1310 NM, SINGLE MODE, LONG-HAUL LASER
OP-106/ETH/SC/15L	5200650000	$	1,275.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, ETHERNET PORT, SC CONNECTOR, 1550 NM SINGLE MODE LASER SHORT-HAUL
OP-106/ETH/SC/15LH	5201200000	$	1,870.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, ETHERNET PORT, SC CONNECTOR, 1550 NM SINGLE MODE LASER LONG-HAUL
OP-106/ETH/SC/15LH/H/ME	5201220000	$	2,154.00	FIBER MULTIPLEXER FOR 4 T1 AND ETHERNET OR SERIAL DATA, ETHERNET PORT, SC CONNECTOR, 1550 NM SINGLE MODE LASER LONG-HAUL, HARDENED ENCLOSURE, METAL ENCLOSURE
OP-106/ETH/SC/SF1	5200630000	$	1,246.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, ETHERNET PORT, SC CONNECTOR, TX 1310 NM WDM LASER, RX 1550 NM, SINGLE FIBER
OP-106/ETH/SC/SF1/D	5200040000	$	1,530.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, ETHERNET PORT, SC CONNECTOR, TX 1310 NM WDM LASER, RX 1550 NM, SINGLE FIBER, DUAL UPLINK
OP-106/ETH/SC/SF2	5200640000	$	1,246.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, ETHERNET PORT, SC CONNECTOR, TX 1550 NM WDM LASER, RX 1310 NM, SINGLE FIBER
OP-106/ETH/SC/SF2/D	5200050000	$	1,530.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, ETHERNET PORT, SC CONNECTOR, TX 1550 NM WDM LASER, RX 1310 NM, SINGLE FIBER, DUAL UPLINK
OP-106/ETH/SC/SF3	5200730000	$	1,246.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, ETHERNET PORT, SC CONNECTOR, TX/RX 1310 NM LASER, SINGLE FIBER
OP-106/ETH/ST/13	5200450000	$	1,246.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, ETHERNET PORT, ST CONNECTOR, 1310 NM MULTIMODE LED
OP-106/ETH/ST/13L	5200220000	$	1,085.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, ETHERNET PORT, ST CONNECTOR, 1310 NM SINGLE MODE LASER

OP-106/ETH/ST/13L/D	5201130000	$	1,304.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, ETHERNET PORT, ST CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-106/ETH/ST/13L/H/ME	5201050000	$	1,417.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, ETHERNET PORT, ST CONNECTOR, 1310 NM SINGLE MODE LASER, HARDENED ENCLOSURE, METAL ENCLOSURE
OP-106/ETH/ST/13LH	5201440000	$	1,246.00	FIBER MULTIPLEXER, ETHERNET PORT, ST CONNECTOR, 1310 NM, SINGLE MODE, LONG-HAUL LASER
OP-106/FC/13L	5200060000	$	850.00	FIBER MULTIPLEXER FOR 4 T1 AND ETHERNET OR SERIAL DATA, FC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-106/R/ETH/FC/13L/D	5201310000	$	1,388.00	FIBER MULTIPLEXER FOR 4 T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, ETHERNET PORT, FC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-106/R/ETH/SC/13	5200660000	$	1,332.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, ETHERNET PORT, SC CONNECTOR, 1310 NM MULTIMODE LED
OP-106/R/ETH/SC/13/D	5200270000	$	1,615.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, ETHERNET PORT, SC CONNECTOR, 1310 NM MULTIMODE LED, DUAL UPLINK
OP-106/R/ETH/SC/13/ME	5201110000	$	1,474.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, ETHERNET PORT, SC CONNECTOR, 1310 NM MULTIMODE LED, METAL ENCLOSURE
OP-106/R/ETH/SC/13L	5200280000	$	1,219.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, ETHERNET PORT, SC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-106/R/ETH/SC/13L/D	5200310000	$	1,388.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, ETHERNET PORT, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-106/R/ETH/SC/13L/H/D/ME	5201060000	$	1,672.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, ETHERNET PORT, SC CONNECTOR, 1310 NM SINGLE MODE LASER, HARDENED ENCLOSURE, DUAL UPLINK, METAL ENCLOSURE
OP-106/R/ETH/SC/13L/ME	5201340000	$	1,360.00	FIBER MULTIPLEXER, REDUNDANT POWER SUPPLY, ETHERNET PORT, SC CONNECTOR, 1310 NM SINGLE MODE LASER, METAL ENCLOSURE
OP-106/R/ETH/SC/13LH/D	5200710000	$	1,615.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, ETHERNET PORT, SC CONNECTOR, 1310 NM, SINGLE MODE, LONG-HAUL LASER, DUAL UPLINK
OP-106/R/ETH/SC/15LH	5201080000	$	1,955.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, ETHERNET PORT, SC CONNECTOR, 1550 NM SINGLE MODE LASER LONG-HAUL
OP-106/R/ETH/SC/15LH/D	5200090000	$	2,862.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, ETHERNET PORT, SC CONNECTOR, 1550 NM SINGLE MODE LASER LONG-HAUL, DUAL UPLINK
OP-106/R/ETH/SC/SF1/D	5200410000	$	1,615.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, ETHERNET PORT, SC CONNECTOR, TX 1310 NM WDM LASER, RX 1550 NM, SINGLE FIBER, DUAL UPLINK
OP-106/R/ETH/SC/SF2	5200360000	$	1,332.00	FIBER MULTIPLEXER, REDUNDANT POWER SUPPLY, ETHERNET PORT, SC CONNECTOR, TX 1550 NM WDM LASER, RX 1310 NM, SINGLE FIBER
OP-106/R/ETH/SC/SF2/D	5200370000	$	1,615.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, ETHERNET PORT, SC CONNECTOR, TX 1550 NM WDM LASER, RX 1310 NM, SINGLE FIBER, DUAL UPLINK
OP-106/R/ETH/SC/SF2/D/ME	5201460000	$	1,757.00	FIBER MULTIPLEXER, REDUNDANT POWER SUPPLY, ETHERNET PORT, SC CONNECTOR, TX 1550 NM WDM LASER, RX 1310 NM, SINGLE FIBER, DUAL UPLINK, METAL ENCLOSURE
OP-106/R/ETH/SC/SF3	5200250000	$	1,332.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, ETHERNET PORT, SC CONNECTOR, TX/RX 1310 NM LASER, SINGLE FIBER
OP-106/R/ETH/SC/SF3/D	5200320000	$	1,615.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, ETHERNET PORT, SC CONNECTOR, TX/RX 1310 NM LASER, SINGLE FIBER, DUAL UPLINK
OP-106/R/ETH/ST/13/D	5200100000	$	1,615.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, ETHERNET PORT, ST CONNECTOR, 1310 NM MULTIMODE LED, DUAL UPLINK
OP-106/R/ETH/ST/13/ME	5201010000	$	1,474.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, ETHERNET PORT, ST CONNECTOR, 1310 NM MULTIMODE LED, METAL ENCLOSURE
OP-106/R/ETH/ST/13L	5200230000	$	1,219.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, ETHERNET PORT, ST CONNECTOR, 1310 NM SINGLE MODE LASER
OP-106/R/ETH/ST/13L/D	5200290000	$	1,388.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, ETHERNET PORT, ST CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-106/R/ETH/ST/13L/H/D	5200960000	$	1,530.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, ETHERNET PORT, ST CONNECTOR, 1310 NM SINGLE MODE LASER, HARDENED ENCLOSURE, DUAL UPLINK
OP-106/R/ETH/ST/13L/H/D/ME	5201140000	$	1,672.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, ETHERNET PORT, ST CONNECTOR, 1310 NM SINGLE MODE LASER, HARDENED ENCLOSURE, DUAL UPLINK, METAL ENCLOSURE
OP-106/R/ETH/ST/15L/D	5200920000	$	1,643.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, ETHERNET PORT, ST CONNECTOR, 1550 NM SINGLE MODE LASER SHORT-HAUL, DUAL UPLINK
OP-106/R/ETH/ST/15LH	5200610000	$	1,955.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, ETHERNET PORT, ST CONNECTOR, 1550 NM SINGLE MODE LASER LONG-HAUL
OP-106/R/FC/13LH	5201360000	$	1,048.00	FIBER MULTIPLEXER FOR 4 T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, FC CONNECTOR, 1310 NM, SINGLE MODE, LONG-HAUL LASER
OP-106/R/SC/13L	5200330000	$	894.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-106/R/SC/13L/D	5200190000	$	1,106.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-106/R/SC/13LH	5200590000	$	1,048.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM, SINGLE MODE, LONG-HAUL LASER
OP-106/R/SC/15LH	5200260000	$	1,672.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1550 NM SINGLE MODE LASER LONG-HAUL
OP-106/R/SC/SF1	5200350000	$	1,048.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, SC CONNECTOR, TX 1310 NM WDM LASER, RX 1550 NM, SINGLE FIBER
OP-106/R/SC/SF1/D	5200390000	$	1,332.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, SC CONNECTOR, TX 1310 NM WDM LASER, RX 1550 NM, SINGLE FIBER, DUAL UPLINK
OP-106/R/SC/SF2	5200770000	$	1,048.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, SC CONNECTOR, TX 1550 NM WDM LASER, RX 1310 NM, SINGLE FIBER
OP-106/R/SC/SF2/D	5200420000	$	1,332.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, SC CONNECTOR, TX 1550 NM WDM LASER, RX 1310 NM, SINGLE FIBER, DUAL UPLINK
OP-106/R/SC/SF3/D	5200840000	$	1,332.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, SC CONNECTOR, TX/RX 1310 NM LASER, SINGLE FIBER, DUAL UPLINK
OP-106/R/SC13	5200760000	$	1,048.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM MULTIMODE LED
OP-106/R/ST/13/D	5200140000	$	1,332.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, ST CONNECTOR, 1310 NM MULTIMODE LED, DUAL UPLINK
OP-106/R/ST/13L	5200490000	$	935.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, ST CONNECTOR, 1310 NM SINGLE MODE LASER
OP-106/R/ST/13L/D	5200300000	$	1,106.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, ST CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-106/R/ST/15LH	5201020000	$	1,672.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, ST CONNECTOR, 1550 NM SINGLE MODE LASER LONG-HAUL
OP-106/R/ST13	5200860000	$	1,048.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, REDUNDANT POWER SUPPLY, ST CONNECTOR, 1310 NM MULTIMODE LED
OP-106/SC/13	5200510000	$	964.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, SC CONNECTOR, 1310 NM MULTIMODE LED

OP-106/SC/13L	5200340000	$	813.00	FIBER MULTIPLEXER FOR 4T1, SC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-106/SC/13L/D	5200380000	$	1,020.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-106/SC/13LH	5200150000	$	964.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, SC CONNECTOR, 1310 NM, SINGLE MODE, LONG-HAUL LASER
OP-106/SC/15LH	5200720000	$	1,587.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, SC CONNECTOR, 1550 NM SINGLE MODE LASER LONG-HAUL
OP-106/SC/SF1	5200160000	$	964.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, SC CONNECTOR, TX 1310 NM WDM LASER, RX 1550 NM, SINGLE FIBER
OP-106/SC/SF2	5200170000	$	964.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, SC CONNECTOR, TX 1550 NM WDM LASER, RX 1310 NM, SINGLE FIBER
OP-106/SC/SF3	5200460000	$	964.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, SC CONNECTOR, TX/RX 1310 NM LASER, SINGLE FIBER
OP-106/ST/13/D	5201410000	$	1,246.00	FIBER MULTIPLEXER, ST CONNECTOR, 1310 NM MULTIMODE LED, DUAL UPLINK
OP-106/ST/13L/D	5200570000	$	1,020.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, ST CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-106/ST/13L/H/ME	5201350000	$	1,133.00	4-CHANNEL T1 AND ETHERNET MULTIPLEXER, ST, 1310 NM
OP-106/ST/13LH	5200620000	$	964.00	FIBER MULTIPLEXER, ST CONNECTOR, 1310 NM, SINGLE MODE, LONG-HAUL LASER
OP-106/ST/15L	5200780000	$	992.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, ST CONNECTOR, 1550 NM SINGLE MODE LASER SHORT-HAUL
OP-106/ST/15LH	5200180000	$	1,518.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, ST CONNECTOR, 1550 NM SINGLE MODE LASER LONG-HAUL
OP-106/ST13	5200530000	$	838.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, ST CONNECTOR, 1310 NM MULTIMODE LED
OP-106/ST13L	5200200000	$	813.00	FIBER MULTIPLEXER FOR 4T1 OR SERIAL DATA, ST CONNECTOR, 1310 NM SINGLE MODE LASER
OP-106C/2XSFP2	5440030000	$	1,274.00	DUAL FIBER MULTIPLEXER MODULE FOR 4T1 AND ETHERNET, 2 PLUGGABLE TRANSCEIVERS: FAST ETHERNET/STM 1, 1310 NM, SINGLE MODE, LASER, 15 KM (9.3 MI)
OP-106C/2XSFP24	5440010000	$	1,233.00	DUAL FIBER MULTIPLEXER MODULE FOR 4T1 AND ETHERNET, 2 PLUGGABLE TRANSCEIVERS: FAST ETHERNET/STM 1, 850 NM, MULTIMODE, 2 KM (1.2 MI)
OP-106C/4XSFP1	5440230000	$	1,602.00	DUAL FIBER MULTIPLEXER MODULE FOR 4T1 AND ETHERNET, 4 PLUGGABLE TRANSCEIVERS: FAST ETHERNET/STM 1, 1310 NM, MULTIMODE, LED, 2 KM (1.2 MI)
OP-106C/4XSFP2	5440240000	$	1,602.00	DUAL FIBER MULTIPLEXER MODULE FOR 4T1 AND ETHERNET, 4 PLUGGABLE TRANSCEIVERS: FAST ETHERNET/STM 1, 1310 NM, SINGLE MODE, LASER, 15 KM (9.3 MI)
OP-106C/4XSFP24	5440150000	$	1,517.00	DUAL FIBER MULTIPLEXER MODULE FOR 4T1 AND ETHERNET, 4 PLUGGABLE TRANSCEIVERS: FAST ETHERNET/STM 1, 850 NM, MULTIMODE, 2 KM (1.2 MI)
OP-106C/ETH/2XSFP10A	5440040000	$	1,423.00	DUAL FIBER MULTIPLEXER MODULE FOR 4T1 AND ETHERNET, ETHERNET PORT, 2 PLUGGABLE TRANSCEIVERS: FAST ETHERNET/STM 1, TX - 1310 NM, RX - 1550 NM, SINGLE MODE (SINGLE FIBER), LASER (WDM) , 20 KM (12.4 MI)
OP-106C/ETH/2XSFP10B	5440190000	$	1,459.00	DUAL FIBER MULTIPLEXER MODULE FOR 4T1 AND ETHERNET, ETHERNET PORT, 2 PLUGGABLE TRANSCEIVERS: FAST ETHERNET/STM 1, TX - 1550 NM, RX - 1310 NM, SINGLE MODE (SINGLE FIBER), LASER (WDM) , 20 KM (12.4 MI)
OP-106C/ETH/2XSFP2	5440160000	$	1,410.00	DUAL FIBER MULTIPLEXER MODULE FOR 4T1 AND ETHERNET, ETHERNET PORT, 2 PLUGGABLE TRANSCEIVERS: FAST ETHERNET/STM 1, 1310 NM, SINGLE MODE, LASER, 15 KM (9.3 MI)
OP-106C/ETH/4XSFP10A	5440200000	$	1,772.00	DUAL FIBER MULTIPLEXER MODULE FOR 4T1 AND ETHERNET, ETHERNET PORT, 4 PLUGGABLE TRANSCEIVERS: FAST ETHERNET/STM 1, TX - 1310 NM, RX - 1550 NM, SINGLE MODE (SINGLE FIBER), LASER (WDM) , 20 KM (12.4 MI)
OP-106C/ETH/4XSFP2	5440070000	$	1,744.00	DUAL FIBER MULTIPLEXER MODULE FOR 4T1 AND ETHERNET, ETHERNET PORT, 4 PLUGGABLE TRANSCEIVERS: FAST ETHERNET/STM 1, 1310 NM, SINGLE MODE, LASER, 15 KM (9.3 MI)
OP-106C/ETH/4XSFP24	5440110000	$	1,659.00	DUAL FIBER MULTIPLEXER MODULE FOR 4T1 AND ETHERNET, ETHERNET PORT, 4 PLUGGABLE TRANSCEIVERS: FAST ETHERNET/STM 1, 850 NM, MULTIMODE, 2 KM (1.2 MI)
OP-106C/ETH/SFP10A	5440220000	$	1,287.00	DUAL FIBER MULTIPLEXER MODULE FOR 4T1 AND ETHERNET, ETHERNET PORT, PLUGGABLE TRANSCEIVER: FAST ETHERNET/STM-1, TX - 1310 NM, RX - 1550 NM, SINGLE MODE (SINGLE FIBER), LASER (WDM) , 20 KM (12.4 MI)
OP-106C/ETH/SFP10B	5440020000	$	1,305.00	DUAL FIBER MULTIPLEXER MODULE FOR 4T1 AND ETHERNET, ETHERNET PORT, PLUGGABLE TRANSCEIVER: FAST ETHERNET/STM-1, TX - 1550 NM, RX - 1310 NM, SINGLE MODE (SINGLE FIBER), LASER (WDM) , 20 KM (12.4 MI)
OP-106C/ETH/SFP2	5440090000	$	1,281.00	DUAL FIBER MULTIPLEXER MODULE FOR 4T1 AND ETHERNET, ETHERNET PORT, PLUGGABLE TRANSCEIVER: FAST ETHERNET/STM-1, 1310 NM, SINGLE MODE, LASER, 15 KM (9.3 MI)
OP-106C/SFP2	5440080000	$	1,198.00	DUAL FIBER MULTIPLEXER MODULE FOR 4T1 AND ETHERNET, PLUGGABLE TRANSCEIVER: FAST ETHERNET/STM-1, 1310 NM, SINGLE MODE, LASER, 15 KM (9.3 MI)
OP-106-M/FC/13L	5220030000	$	163.00	ADDITIONAL UPLINK MODULE, WORKS OPPOSITE 2 OPTIMUX-106 UNITS, FC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-106-M/FC/85L	5220060000	$	163.00	ADDITIONAL UPLINK MODULE, WORKS OPPOSITE 2 OPTIMUX-106 UNITS, FC CONNECTOR, 850 NM MULTIMODE VCSEL
OP-106-M/SC/13L	5220020000	$	163.00	ADDITIONAL UPLINK MODULE, WORKS OPPOSITE 2 OPTIMUX-106 UNITS, SC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-106-M/SC/15LH	5220120000	$	867.00	4-CHANNEL T1 MULTIPLEXER, SC
OP-106-M/SC/SF1	5220080000	$	271.00	ADDITIONAL UPLINK MODULE, WORKS OPPOSITE 2 OPTIMUX-106 UNITS, SC CONNECTOR, TX 1310 NM WDM LASER, RX 1550 NM, SINGLE FIBER
OP-106-M/SC/SF2	5220090000	$	271.00	ADDITIONAL UPLINK MODULE, WORKS OPPOSITE 2 OPTIMUX-106 UNITS, SC CONNECTOR, TX 1550 NM WDM LASER, RX 1310 NM, SINGLE FIBER
OP-106-M/SC/SF3	5220070000	$	271.00	ADDITIONAL UPLINK MODULE, WORKS OPPOSITE 2 OPTIMUX-106 UNITS, SC CONNECTOR, TX/RX 1310 NM LASER, SINGLE FIBER
OP-106-M/ST/13	5220100000	$	271.00	ADDITIONAL UPLINK MODULE, WORKS OPPOSITE 2 OPTIMUX-106 UNITS, ST CONNECTOR, 1310 NM MULTIMODE LED
OP-106-M/ST/13L	5220010000	$	163.00	ADDITIONAL UPLINK MODULE, WORKS OPPOSITE 2 OPTIMUX-106 UNITS, ST CONNECTOR, 1310 NM SINGLE MODE LASER
OP-106-M/ST/13LH	5220110000	$	271.00	ADDITIONAL UPLINK MODULE, WORKS OPPOSITE 2 OPTIMUX-106 UNITS, ST CONNECTOR, 1310 NM, SINGLE MODE, LONG-HAUL LASER
OP-108/B/ETH/FC/13L/H/ME	4173650000	$	1,708.00	4-CHANNEL E1 MULTIPLEXER, BALANCED, ETHERNET PORT, FC CONNECTOR, 1310 NM SINGLE MODE LASER, HARDENED ENCLOSURE, METAL ENCLOSURE
OP-108/B/ETH/SC/13L	4170750000	$	1,307.00	4-CHANNEL E1 MULTIPLEXER, BALANCED, ETHERNET PORT, SC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-108/B/ETH/SC/15L	4171020000	$	1,537.00	4-CHANNEL E1 MULTIPLEXER, BALANCED, ETHERNET PORT, SC CONNECTOR, 1550 NM SINGLE MODE LASER SHORT-HAUL
OP-108/B/ETH/SC/SF1	4170090000	$	1,438.00	4-CHANNEL E1 MULTIPLEXER, BALANCED, ETHERNET PORT, SC CONNECTOR, TX 1310 NM WDM LASER, RX 1550 NM, SINGLE FIBER
OP-108/B/ETH/SC/SF2	4170100000	$	1,438.00	4-CHANNEL E1 MULTIPLEXER, BALANCED, ETHERNET PORT, SC CONNECTOR, TX 1550 NM WDM LASER, RX 1310 NM, SINGLE FIBER
OP-108/B/ETH/ST/13L	4170900000	$	1,366.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, BALANCED, ETHERNET PORT, ST CONNECTOR, 1310 NM SINGLE MODE LASER
OP-108/B/R/ETH/SC/13L	4170840000	$	1,469.00	4-CHANNEL E1 MULTIPLEXER, BALANCED, REDUNDANT POWER SUPPLY, ETHERNET PORT, SC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-108/B/R/ETH/SC/13L/D	4170740000	$	1,673.00	4-CHANNEL E1 MULTIPLEXER, BALANCED, REDUNDANT POWER SUPPLY, ETHERNET PORT, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-108/B/R/ETH/SC/13LH/D	4172470000	$	1,947.00	4-CHANNEL E1 MULTIPLEXER, BALANCED, REDUNDANT POWER SUPPLY, ETHERNET PORT, SC CONNECTOR, 1310 NM, SINGLE MODE, LONG-HAUL LASER, DUAL UPLINK
OP-108/B/R/ETH/SC/SF1/D	4170720000	$	1,947.00	4-CHANNEL E1 MULTIPLEXER, BALANCED, REDUNDANT POWER SUPPLY, ETHERNET PORT, SC CONNECTOR, TX 1310 NM WDM LASER, RX 1550 NM, SINGLE FIBER, DUAL UPLINK
OP-108/B/R/ETH/SC/SF2/D	4170730000	$	1,947.00	4-CHANNEL E1 MULTIPLEXER, BALANCED, REDUNDANT POWER SUPPLY, ETHERNET PORT, SC CONNECTOR, TX 1550 NM WDM LASER, RX 1310 NM, SINGLE FIBER, DUAL UPLINK
OP-108/B/R/ETH/SC/SF3	4172270000	$	1,605.00	4-CHANNEL E1 MULTIPLEXER, BALANCED, REDUNDANT POWER SUPPLY, ETHERNET PORT, SC CONNECTOR, TX/RX 1310 NM LASER, SINGLE FIBER
OP-108/B/R/ETH/ST/13LH	4172650000	$	1,605.00	4-CHANNEL E1 MULTIPLEXER, BALANCED, REDUNDANT POWER SUPPLY, ETHERNET PORT, ST CONNECTOR, 1310 NM, SINGLE MODE, LONG-HAUL LASER
OP-108/B/R/FC/13L	4170220000	$	1,128.00	4-CHANNEL E1 MULTIPLEXER, BALANCED, REDUNDANT POWER SUPPLY, FC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-108/B/R/FC/15L	4170980000	$	1,298.00	4-CHANNEL E1 MULTIPLEXER, BALANCED, REDUNDANT POWER SUPPLY, FC CONNECTOR, 1550 NM SINGLE MODE LASER SHORT-HAUL
OP-108/B/R/SC/13L	4171100000	$	1,128.00	4-CHANNEL E1 MULTIPLEXER, BALANCED, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER

OP-108/B/R/SC/13L/D	4170800000	$	1,332.00	4-CHANNEL E1 MULTIPLEXER, BALANCED, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-108/B/R/SC/SF1	4171280000	$	1,264.00	4-CHANNEL E1 MULTIPLEXER, BALANCED, REDUNDANT POWER SUPPLY, SC CONNECTOR, TX 1310 NM WDM LASER, RX 1550 NM, SINGLE FIBER
OP-108/B/R/SC/SF1/D	4171660000	$	1,605.00	4-CHANNEL E1 MULTIPLEXER, BALANCED, REDUNDANT POWER SUPPLY, SC CONNECTOR, TX 1310 NM WDM LASER, RX 1550 NM, SINGLE FIBER, DUAL UPLINK
OP-108/B/R/SC/SF2	4171290000	$	1,264.00	4-CHANNEL E1 MULTIPLEXER, BALANCED, REDUNDANT POWER SUPPLY, SC CONNECTOR, TX 1550 NM WDM LASER, RX 1310 NM, SINGLE FIBER
OP-108/B/R/SC/SF2/D	4171670000	$	1,605.00	4-CHANNEL E1 MULTIPLEXER, BALANCED, REDUNDANT POWER SUPPLY, SC CONNECTOR, TX 1550 NM WDM LASER, RX 1310 NM, SINGLE FIBER, DUAL UPLINK
OP-108/B/SC/13L	4170320000	$	980.00	4-CHANNEL E1 MULTIPLEXER, BALANCED, SC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-108/B/SC/SF1	4170330000	$	1,162.00	4-CHANNEL E1 MULTIPLEXER, BALANCED, SC CONNECTOR, TX 1310 NM WDM LASER, RX 1550 NM, SINGLE FIBER
OP-108/B/SC/SF2	4170340000	$	1,162.00	4-CHANNEL E1 MULTIPLEXER, BALANCED, SC CONNECTOR, TX 1550 NM WDM LASER, RX 1310 NM, SINGLE FIBER
OP-108/B/ST/13L	4170920000	$	1,025.00	4-CHANNEL E1 MULTIPLEXER, BALANCED, ST CONNECTOR, 1310 NM SINGLE MODE LASER
OP-108/U/ETH/FC/13L	4171340000	$	1,366.00	4-CHANNEL E1 MULTIPLEXER, UTP ETHERNET PORT, ETHERNET PORT, FC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-108/U/ETH/FC/15L	4172280000	$	1,537.00	4-CHANNEL E1 MULTIPLEXER, UTP ETHERNET PORT, ETHERNET PORT, FC CONNECTOR, 1550 NM SINGLE MODE LASER SHORT-HAUL
OP-108/U/ETH/FC/15LH	4171460000	$	2,254.00	4-CHANNEL E1 MULTIPLEXER, UTP ETHERNET PORT, ETHERNET PORT, FC CONNECTOR, 1550 NM SINGLE MODE LASER LONG-HAUL
OP-108/U/ETH/SC/13L	4170870000	$	1,307.00	4-CHANNEL E1 MULTIPLEXER, UTP ETHERNET PORT, ETHERNET PORT, SC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-108/U/ETH/SC/SF1	4171220000	$	1,503.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, UTP ETHERNET PORT, ETHERNET PORT, SC CONNECTOR, TX 1310 NM WDM LASER, RX 1550 NM, SINGLE FIBER
OP-108/U/ETH/SC/SF2	4171210000	$	1,438.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, UTP ETHERNET PORT, ETHERNET PORT, SC CONNECTOR, TX 1550 NM WDM LASER, RX 1310 NM, SINGLE FIBER
OP-108/U/ETH/SC/SF3	4171090000	$	1,503.00	4-CHANNEL E1 MULTIPLEXER, UTP ETHERNET PORT, ETHERNET PORT, SC CONNECTOR, TX/RX 1310 NM LASER, SINGLE FIBER
OP-108/U/ETH/SC/SF3/D	4170450000	$	1,845.00	4-CHANNEL E1 MULTIPLEXER, UTP ETHERNET PORT, ETHERNET PORT, SC CONNECTOR, TX/RX 1310 NM LASER, SINGLE FIBER, DUAL UPLINK
OP-108/U/FC/13L	4170470000	$	980.00	FIBER MULTIPLEXER FOR 4E1 AND ETHERNET OR SERIAL DATA, UTP ETHERNET PORT, FC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-108/U/R/ETH/FC/13L/D	4171480000	$	1,673.00	4-CHANNEL E1 MULTIPLEXER, UTP ETHERNET PORT, REDUNDANT POWER SUPPLY, ETHERNET PORT, FC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-108/U/R/ETH/FC/13LH/D	4172390000	$	1,947.00	4-CHANNEL E1 MULTIPLEXER, UTP ETHERNET PORT, REDUNDANT POWER SUPPLY, ETHERNET PORT, FC CONNECTOR, 1310 NM, SINGLE MODE, LONG-HAUL LASER, DUAL UPLINK
OP-108/U/R/ETH/SC/13L/D	4171070000	$	1,673.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, UTP ETHERNET PORT, REDUNDANT POWER SUPPLY, ETHERNET PORT, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-108/U/R/ETH/SC/13LH	4172660000	$	1,605.00	FIBER MULTIPLEXER FOR 4T1 AND ETHERNET OR SERIAL DATA, UTP ETHERNET PORT, REDUNDANT POWER SUPPLY, ETHERNET PORT, SC CONNECTOR, 1310 NM, SINGLE MODE, LONG-HAUL LASER
OP-108/U/R/ETH/ST/13L	4171410000	$	1,469.00	4-CHANNEL E1 MULTIPLEXER, UTP ETHERNET PORT, REDUNDANT POWER SUPPLY, ETHERNET PORT, ST CONNECTOR, 1310 NM SINGLE MODE LASER
OP-108/U/R/FC/13L	4171330000	$	1,128.00	4-CHANNEL E1 MULTIPLEXER, REDUNDANT POWER SUPPLY, FC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-108/U/R/FC/15L	4171080000	$	1,298.00	4-CHANNEL E1 MULTIPLEXER, REDUNDANT POWER SUPPLY, FC CONNECTOR, 1550 NM SINGLE MODE LASER SHORT-HAUL
OP-108/U/R/SC/13L	4170570000	$	1,128.00	4-CHANNEL E1 MULTIPLEXER, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-108/U/R/SC/SF2/D	4173270000	$	1,605.00	4-CHANNEL E1 MULTIPLEXER, REDUNDANT POWER SUPPLY, SC CONNECTOR, TX 1550 NM WDM LASER, RX 1310 NM, SINGLE FIBER, DUAL UPLINK
OP-108/U/R/ST/13L	4170960000	$	1,128.00	4-CHANNEL E1 MULTIPLEXER, REDUNDANT POWER SUPPLY, ST CONNECTOR, 1310 NM SINGLE MODE LASER
OP-108/U/SC/13L/D	4171780000	$	1,230.00	4-CHANNEL E1 MULTIPLEXER, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-108/U/SC/SF3	4171400000	$	1,162.00	4-CHANNEL E1 MULTIPLEXER, SC CONNECTOR, TX/RX 1310 NM LASER, SINGLE FIBER
OP-108/U/ST/13L	4171050000	$	1,025.00	4-CHANNEL E1 MULTIPLEXER, ST CONNECTOR, 1310 NM SINGLE MODE LASER
OP-108C/B/2XSFP2	5430180000	$	1,605.00	DUAL FIBER MULTIPLEXER MODULE FOR 4E1, BALANCED, 2 PLUGGABLE TRANSCEIVERS: FAST ETHERNET/STM 1, 1310 NM, SINGLE MODE, LASER, 15 KM (9.3 MI)
OP-108C/B/ETH/SFP10B	5430200000	$	1,673.00	TWO OP-108, 4 E1 AND ETHERNET MULTIPLEXER MODULE,
OP-108C/B/ETH/SFP2	5430110000	$	1,543.00	TWO OP-108, 4 E1 AND ETHERNET MULTIPLEXER MODULE,
OP-108C/B/SFP10A	5430420000	$	1,452.00	DUAL FIBER MULTIPLEXER MODULE FOR 4E1, BALANCED, PLUGGABLE TRANSCEIVER: FAST ETHERNET/STM-1, TX - 1310 NM, RX - 1550 NM, SINGLE MODE (SINGLE FIBER), LASER (WDM) , 20 KM (12.4 MI)
OP-108L/B/ETH/SC/13L	4010210000	$	1,062.00	FIBER MULTIPLEXER FOR 4E1 AND ETHERNET, BALANCED E1 INTERFACE, 10/100BASET, SC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-108L/B/ETH/SC/SF1	4010290000	$	1,108.00	FIBER MULTIPLEXER FOR 4E1 AND ETHERNET, BALANCED E1 INTERFACE, 10/100BASET, SC CONNECTOR, TX 1310 NM WDM LASER, RX 1550 NM, SINGLE FIBER
OP-108L/B/ETH/SC/SF2	4010300000	$	1,128.00	FIBER MULTIPLEXER FOR 4E1 AND ETHERNET, BALANCED E1 INTERFACE, 10/100BASET, SC CONNECTOR, TX 1550 NM WDM LASER, RX 1310 NM, SINGLE FIBER
OP-108L/B/SC/15LH	4010580000	$	1,794.00	FIBER MULTIPLEXER FOR 4E1 AND ETHERNET, BALANCED E1 INTERFACE, SC CONNECTOR, 1550 NM SINGLE MODE LASER LONG-HAUL
OP-108L/B/ST/13	4011910000	$	605.00	FOUR-CHANNEL E1 & ETH, BAL, ST
OP-108L/BM/B/ETH/SC/SF1	4010310000	$	988.00	FIBER MULTIPLEXER FOR 4E1 AND ETHERNET, BASIC MANAGEMENT, BALANCED E1 INTERFACE, 10/100BASET, SC CONNECTOR, TX 1310 NM WDM LASER, RX 1550 NM, SINGLE FIBER
OP-108L/BM/B/ETH/SC/SF2	4010320000	$	1,009.00	FIBER MULTIPLEXER FOR 4E1 AND ETHERNET, BASIC MANAGEMENT, BALANCED E1 INTERFACE, 10/100BASET, SC CONNECTOR, TX 1550 NM WDM LASER, RX 1310 NM, SINGLE FIBER
OP-108L/BM/B/SC/SF1	4010120000	$	817.00	FIBER MULTIPLEXER FOR 4E1 AND ETHERNET, BASIC MANAGEMENT, BALANCED E1 INTERFACE, SC CONNECTOR, TX 1310 NM WDM LASER, RX 1550 NM, SINGLE FIBER
OP-108L/BM/B/SC/SF2	4010130000	$	837.00	FIBER MULTIPLEXER FOR 4E1 AND ETHERNET, BASIC MANAGEMENT, BALANCED E1 INTERFACE, SC CONNECTOR, TX 1550 NM WDM LASER, RX 1310 NM, SINGLE FIBER
OP-108L/BM/U/ETH/SC/SF2	4010400000	$	1,043.00	FIBER MULTIPLEXER FOR 4E1 AND ETHERNET, BASIC MANAGEMENT, UNBALANCED E1 INTERFACE, 10/100BASET, SC CONNECTOR, TX 1550 NM WDM LASER, RX 1310 NM, SINGLE FIBER
OP-108-M/SC/SF1	5210010000	$	242.00	ADDITIONAL UPLINK MODULE, WORKS OPPOSITE 2 OPTIMUX-106 UNITS, SC CONNECTOR, TX 1310 NM WDM LASER, RX 1550 NM, SINGLE FIBER
OP-108-M/SC/SF2	5210020000	$	242.00	ADDITIONAL UPLINK MODULE, WORKS OPPOSITE 2 OPTIMUX-106 UNITS, SC CONNECTOR, TX 1550 NM WDM LASER, RX 1310 NM, SINGLE FIBER
OP-108-M/SC/SF3	5210080000	$	327.00	ADDITIONAL UPLINK MODULE, WORKS OPPOSITE 2 OPTIMUX-106 UNITS, SC CONNECTOR, TX/RX 1310 NM LASER, SINGLE FIBER
OP-125/100M	4010690000	$	1,582.00	16 T1, ETHERNET OR DATA F
OP-125/DC/A/100M	4011500000	$	1,815.00	FIBER MULTIPLEXER FOR 16 T1 AND ETHERNET, DC, ALARM CONNECTOR, 100 MBPS ETHERNET THROUGHPUT
OP-125/DCR/A	4011420000	$	1,739.00	FIBER MULTIPLEXER FOR 16 T1 AND ETHERNET, REDUNDANT DC POWER SUPPLY, ALARM CONNECTOR
OP-125/DCR/A/100M	4011140000	$	2,088.00	FIBER MULTIPLEXER FOR 16 T1 AND ETHERNET, REDUNDANT DC POWER SUPPLY, ALARM CONNECTOR, 100 MBPS ETHERNET THROUGHPUT
OP-125/DCR/A/100M/H	4012440000	$	2,309.00	FIBER MULTIPLEXER FOR 16 T1 AND ETHERNET, REDUNDANT DC POWER SUPPLY, ALARM CONNECTOR, 100 MBPS ETHERNET THROUGHPUT, HARDENED ENCLOSURE
OP-125/PSR	4011290000	$	1,222.00	FIBER MULTIPLEXER FOR 16 T1 AND ETHERNET, REDUNDANT POWER SUPPLY
OP-125/PSR/100M	4010900000	$	1,720.00	FIBER MULTIPLEXER FOR 16 T1 AND ETHERNET, REDUNDANT POWER SUPPLY, 100 MBPS ETHERNET THROUGHPUT
OP-125/PSR/A	4013220000	$	1,309.00	FIBER MULTIPLEXER FOR 16 T1 AND ETHERNET, REDUNDANT POWER SUPPLY, ALARM CONNECTOR
OP-125/PSR/A/100M	4010650000	$	1,676.00	FIBER MULTIPLEXER FOR 16 T1 AND ETHERNET, REDUNDANT POWER SUPPLY, ALARM CONNECTOR, 100 MBPS ETHERNET THROUGHPUT

OP-125/PSR/A/100M/H	4011860000	$	1,879.00	FIBER MULTIPLEXER FOR 16 T1 AND ETHERNET, REDUNDANT POWER SUPPLY, ALARM CONNECTOR, 100 MBPS ETHERNET THROUGHPUT, HARDENED ENCLOSURE
OP-125/PSR/A/V35/6M	4010710000	$	1,714.00	FIBER MULTIPLEXER FOR 16 T1 AND ETHERNET, REDUNDANT POWER SUPPLY, ALARM CONNECTOR, V.35, 6 MBPS ETHERNET THROUGHPUT
OP-125/PSR/H	4012310000	$	1,404.00	FIBER MULTIPLEXER FOR 16 T1 AND ETHERNET, REDUNDANT POWER SUPPLY, HARDENED ENCLOSURE
OP-125-LIC-ETH/100M	4010660000	$	570.00	OP LICENSE ACTIVATION KEY FOR THE ETH PORT THR
OP-125-PS	4011160000	$	190.00	POWER SUPPLY MODULE FOR OP-125
OP-125-PS/DC	4011790000	$	633.00	POWER SUPPLY MODULE FOR OP-125, DC
OP-134/B/A/100M	4011020000	$	2,177.00	FIBER MULTIPLEXER FOR 16 E1 AND ETHERNET, BALANCED E1 INTERFACE, ALARM CONNECTOR, 100 MBPS ETHERNET THROUGHPUT
OP-134/PSR/B	4010950000	$	1,650.00	FIBER MULTIPLEXER FOR 16 E1 AND ETHERNET, REDUNDANT POWER SUPPLY, BALANCED E1 INTERFACE
OP-134/PSR/B/100M	4010940000	$	2,222.00	FIBER MULTIPLEXER FOR 16 E1 AND ETHERNET, REDUNDANT POWER SUPPLY, BALANCED E1 INTERFACE, 100 MBPS ETHERNET THROUGHPUT
OP-134/PSR/U	4011870000	$	2,033.00	FIBER MULTIPLEXER FOR 16 E1 AND ETHERNET, REDUNDANT POWER SUPPLY, UNBALANCED E1 INTERFACE
OP-134-LIC-ETH/100M	4010780000	$	570.00	ACTIVATION KEY FOR OP-134 ETH PORT THROUGHPUT, 100 MBPS ETHERNET THROUGHPUT
OP-1551/2128/AC/R/SC/13L	1681510000	$	5,768.00	MULTIPLEXER FOR 63E1/84T1 OVER STM-1/OC-3, 21 E1 OR 28 T1 LINKS, 100-240 VAC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-1551/2X6384/48/R/FC/13L	5471940000	$	12,093.00	MULTIPLEXER FOR 63E1/84T1 OVER STM-1/OC-3, 2 MODULES WITH 63 E1 OR 84 T1 LINKS, -48 VDC, REDUNDANT POWER SUPPLY, FC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-1551/2X6384/48/R/SC/13L/D	1680210000	$	12,296.00	MULTIPLEXER FOR 63E1/84T1 OVER STM-1/OC-3, 2 MODULES WITH 63 E1 OR 84 T1 LINKS, -48 VDC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-1551/2X6384/AC/R/CX/D	5480960000	$	11,803.00	MULTIPLEXER FOR 63E1/84T1 OVER STM-1/OC-3, 2 MODULES WITH 63 E1 OR 84 T1 LINKS, 100-240 VAC, REDUNDANT POWER SUPPLY, COAXIAL CONNECTOR, DUAL UPLINK
OP-1551/2X6384/AC/R/SC/13L/D	5472800000	$	11,916.00	MULTIPLEXER FOR 63E1/84T1 OVER STM-1/OC-3, 2 MODULES WITH 63 E1 OR 84 T1 LINKS, 100-240 VAC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-1551/2X6384/AC/R/ST/13/D	5472950000	$	11,891.00	MULTIPLEXER FOR 63E1/84T1 OVER STM-1/OC-3, 2 MODULES WITH 63 E1 OR 84 T1 LINKS, 100-240 VAC, REDUNDANT POWER SUPPLY, ST CONNECTOR, 1310 NM MULTIMODE LED, DUAL UPLINK
OP-1551/2X6384/STC/48/R/FC/13L	5473800000	$	12,726.00	MULTIPLEXER FOR 63E1/84T1 OVER STM-1/OC-3, 2 MODULES WITH 63 E1 OR 84 T1 LINKS, STATION CLOCK, -48 VDC, REDUNDANT POWER SUPPLY, FC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-1551/2X6384/STC/48/R/SC/13LH/D	5473950000	$	13,131.00	MULTIPLEXER FOR 63E1/84T1 OVER STM-1/OC-3, 2 MODULES WITH 63 E1 OR 84 T1 LINKS, STATION CLOCK, -48 VDC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM, SINGLE MODE, LONG-HAUL LASER, DUAL UPLINK
OP-1551/2X6384/STC/AC/R/SC/13L/D	1680320000	$	12,549.00	MULTIPLEXER FOR 63E1/84T1 OVER STM-1/OC-3, 2 MODULES WITH 63 E1 OR 84 T1 LINKS, STATION CLOCK, 100-240 VAC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-1551/2X6384/STC/AC/R/SC/13LH/D	5474720000	$	12,751.00	MULTIPLEXER FOR 63E1/84T1 OVER STM-1/OC-3, 2 MODULES WITH 63 E1 OR 84 T1 LINKS, STATION CLOCK, 100-240 VAC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM, SINGLE MODE, LONG-HAUL LASER, DUAL UPLINK
OP-1551/4256/AC/R/SC/15L/D	5476510000	$	6,856.00	MULTIPLEXER FOR 63E1/84T1 OVER STM-1/OC-3, 42 E1 OR 56 T1 LINKS, 100-240 VAC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1550 NM SINGLE MODE LASER SHORT-HAUL, DUAL UPLINK
OP-1551/48	1680050000	$	2,088.00	STM-1/OC-3 TERMINAL MULTIPLEXER, ¿48 VDC
OP-1551/48/R	1680080000	$	2,467.00	STM-1/OC-3 TERMINAL MULTIPLEXER, REDUNDANT ,48 VDC POWER SUPPLY
OP-1551/6384/48/R/SC/13L	1680170000	$	7,413.00	MULTIPLEXER FOR 63E1/84T1 OVER STM-1/OC-3, 63 E1 OR 84 T1 LINKS, -48 VDC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-1551/6384/48/R/SC/85L	5479660000	$	7,527.00	MULTIPLEXER FOR 63E1/84T1 OVER STM-1/OC-3, 63 E1 OR 84 T1 LINKS, -48 VDC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 850 NM MULTIMODE VCSEL
OP-1551/6384/48/R/ST/13L/D	5479750000	$	7,615.00	MULTIPLEXER FOR 63E1/84T1 OVER STM-1/OC-3, 63 E1 OR 84 T1 LINKS, -48 VDC, RED PS, ST CONNECTOR, 1310 NM SM LASER, DUAL UPLINK
OP-1551/6384/AC/R/FC/13L	5480240000	$	7,033.00	MULTIPLEXER FOR 63E1/84T1 OVER STM-1/OC-3, 63 E1 OR 84 T1 LINKS, 100-240 VAC, REDUNDANT POWER SUPPLY, FC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-1551/6384/AC/R/SC/85L	1680260000	$	7,148.00	MULTIPLEXER FOR 63E1/84T1 OVER STM-1/OC-3, 63 E1 OR 84 T1 LINKS, 100-240 VAC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 850 NM MULTIMODE VCSEL
OP-1551/6384/AC/SC/13L	1680360000	$	6,780.00	MULTIPLEXER FOR 63E1/84T1 OVER STM-1/OC-3, 63 E1 OR 84 T1 LINKS, 100-240 VAC, SC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-1551/6384/STC/48/R/SC/13L/D	5480840000	$	8,248.00	MULTIPLEXER FOR 63E1/84T1 OVER STM-1/OC-3, 63 E1 OR 84 T1 LINKS, STATION CLOCK, -48 VDC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-1551/6384/STC/AC/R/SC/13L	1680380000	$	7,666.00	MULTIPLEXER FOR 63E1/84T1 OVER STM-1/OC-3, 63 E1 OR 84 T1 LINKS, STATION CLOCK, 100-240 VAC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-1551/6384/STC/AC/R/SC/13LH/D	5481050000	$	8,071.00	MULTIPLEXER FOR 63E1/84T1 OVER STM-1/OC-3, 63 E1 OR 84 T1 LINKS, STATION CLOCK, 100-240 VAC, REDUNDANT PS, SC CON, 1310 NM, SM, LONG-HAUL LASER, DUAL UPLINK
OP-1551/AC	1680040000	$	1,898.00	STM-1/OC-3 TERMINAL MULTIPLEXER, 110-240 VAC
OP-1551/AC/R	1680090000	$	2,151.00	STM-1/OC-3 TERMINAL MULTIPLEXER, REDUNDANT 110-240 VAC POWER SUPPLY
OP-1551-FT	3720170000	$	152.00	FAN TRAY MODULE
OP-1551-M/2128	4760020000	$	3,416.00	MODULE FOR OP-1551,21XE1/28XT1 MODULE
OP-1551-M/2128/STC	4760060000	$	4,048.00	E1/T1 TRIBUTARY MODULE, 21 E1 OR 28 T1 LINKS, STATION CLOCK
OP-1551-M/4256	4760030000	$	4,048.00	MODULE FOR OP-1551,42XE1/56XT1 MODULE
OP-1551-M/4256/STC	4760070000	$	4,681.00	E1/T1 TRIBUTARY MODULE, 42 E1 OR 56 T1 LINKS, STATION CLOCK
OP-1551-M/6384	4760040000	$	4,681.00	MODULE FOR OP-1551,63XE1/84XT1 MODULE
OP-1551-M/6384/STC	4760050000	$	5,313.00	E1/T1 TRIBUTARY MODULE, 63 E1 OR 84 T1 LINKS, STATION CLOCK
OP-1551-M-BP	3720120000	$	51.00	OP-1551 63E1/84T1 TRIBUTARY INTERFAC'S BLANK PANEL
OP-1551-PS/AC	3970010000	$	316.00	POWER SUPPLY MODULE, 100-240 VAC
OP-1551-PS/DC	3970020000	$	506.00	POWER SUPPLY MODULE, ¿48 VDC
OP-1551-PS-BP	3720130000	$	32.00	OP-1551 PS'S BLANK PANEL
OP-1553/2X3E3T3/48/R/FC/13L	1793520000	$	7,477.00	MULTIPLEXER FOR 3 E3/T3 OVER STM-1/OC-3, 2 MODULES WITH 3 E3 OR 3 T3 LINKS, -48 VDC, REDUNDANT POWER SUPPLY, FC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-1553/2X3E3T3/48/R/FC/13L/D	1790220000	$	7,679.00	MULTIPLEXER FOR 3 E3/T3 OVER STM-1/OC-3, 2 MODULES WITH 3 E3 OR 3 T3 LINKS, -48 VDC, REDUNDANT POWER SUPPLY, FC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-1553/3E3T3/48/R/SC/13L	1790520000	$	4,630.00	MULTIPLEXER FOR 3 E3/T3 OVER STM-1/OC-3, MODULE WITH 3 E3 OR 3 T3 LINKS, -48 VDC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-1553/3E3T3/48/R/SC/13L/D	1790580000	$	4,832.00	MULTIPLEXER FOR 3 E3/T3 OVER STM-1/OC-3, MODULE WITH 3 E3 OR 3 T3 LINKS, -48 VDC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-1553/3E3T3/48/SC/13L	1790240000	$	4,250.00	MULTIPLEXER FOR 3 E3/T3 OVER STM-1/OC-3, MODULE WITH 3 E3 OR 3 T3 LINKS, -48 VDC, SC CONNECTOR, 1310 NM SINGLE MODE LASER

OP-1553/3E3T3/AC/R/SC/13L	1790170000	$	4,314.00	MULTIPLEXER FOR 3 E3/T3 OVER STM-1/OC-3, MODULE WITH 3 E3 OR 3 T3 LINKS, 100-240 VAC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-1553/3E3T3/AC/R/SC/13L/D	1790260000	$	4,516.00	MULTIPLEXER FOR 3 E3/T3 OVER STM-1/OC-3, MODULE WITH 3 E3 OR 3 T3 LINKS, 100-240 VAC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-1553/3E3T3/AC/SC/85L	1790370000	$	4,238.00	MULTIPLEXER FOR 3 E3/T3 OVER STM-1/OC-3, MODULE WITH 3 E3 OR 3 T3 LINKS, 100-240 VAC, SC CONNECTOR, 850 NM MULTIMODE VCSEL
OP-1553/3E3T3/STC/AC/R/ST/13L/D	1790570000	$	5,149.00	MULTIPLEXER FOR 3 E3/T3 OVER STM-1/OC-3, MODULE WITH 3 E3 OR 3 T3 LINKS, STATION CLOCK, 100-240 VAC, REDUNDANT POWER SUPPLY, ST CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-1553/48	1790040000	$	1,202.00	STM-1/OC-3 TERMINAL MULTIPLEXER, ¿48 VDC
OP-1553/48/R	1790070000	$	1,518.00	STM-1/OC-3 TERMINAL MULTIPLEXER, REDUNDANT ¿48 VDC POWER SUPPLY
OP-1553/AC	1790100000	$	1,076.00	STM-1/OC-3 TERMINAL MULTIPLEXER, 110-240 VAC
OP-1553/AC/R	1790060000	$	1,265.00	STM-1/OC-3 TERMINAL MULTIPLEXER, REDUNDANT 110-240 VAC POWER SUPPLY
OP-1553-M/3E3T3	1790050000	$	2,847.00	3XE3T3TRIBUTARY MODULE, MODULE WITH 3 E3 OR 3 T3 LINKS
OP-1553-M/3E3T3/STC	1790110000	$	3,479.00	3XE3T3TRIBUTARY MODULE, MODULE WITH 3 E3 OR 3 T3 LINKS, STATION CLOCK
OP-1553-PS/AC	3980010000	$	316.00	POWER SUPPLY MODULE, 100-240 VAC
OP-1553-PS/DC	3980020000	$	506.00	POWER SUPPLY MODULE, DC
OP-45/B/12X/48/R/FC/13L/D	3321840000	$	4,871.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 12 T1 OR 9 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, FC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-45/B/12X/48/R/SC/13L/D	3324710000	$	4,659.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 12 T1 OR 9 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-45/B/12X/48/R/SC/SF1	3324370000	$	4,744.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 12 T1 OR 9 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, SC CONNECTOR, TX 1310 NM WDM LASER, RX 1550 NM, SINGLE FIBER
OP-45/B/12X/48/R/SC/SF2	3324380000	$	4,770.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 12 T1 OR 9 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, SC CONNECTOR, TX 1550 NM WDM LASER, RX 1310 NM, SINGLE FIBER
OP-45/B/12X/48/R/STC/SC/13L/D	3324210000	$	5,187.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 12 T1 OR 9 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, STATION CLOCK, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-45/B/12X/AC/R/FC/13L/D	3322000000	$	4,579.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 12 T1 OR 9 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, FC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-45/B/12X/AC/R/SC/13L/D	3322570000	$	4,579.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 12 T1 OR 9 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-45/B/12X/AC/R/STC/SC/13L/D	3324270000	$	4,896.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 12 T1 OR 9 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, STATION CLOCK, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-45/B/12X/AD/SC/13L/D	3324740000	$	4,770.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 12 T1 OR 9 E1 PORTS, 100 TO 240 VAC WITH REDUNDANT -48 VDC POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-45/B/12X/AD/STC/SC/13L/D	3324250000	$	5,085.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 12 T1 OR 9 E1 PORTS, 100 TO 240 VAC WITH REDUNDANT -48 VDC POWER SUPPLY, STATION CLOCK, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-45/B/28X/24/R/SC/13L	3320030000	$	4,984.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 24 VDC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-45/B/28X/24/R/SC/13L/D	3321140000	$	5,187.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 24 VDC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-45/B/28X/48/CX	3323120000	$	4,618.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, -48 VDC, COAXIAL CONNECTOR
OP-45/B/28X/48/R/CX	3324080000	$	4,782.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, COAXIAL CONNECTOR
OP-45/B/28X/48/R/FC/13L/D	3322810000	$	5,187.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, FC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-45/B/28X/48/R/FC/13LH/D	3321520000	$	5,389.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, FC CONNECTOR, 1310 NM, SINGLE MODE, LONG-HAUL LASER, DUAL UPLINK
OP-45/B/28X/48/R/SC/13/D	3322050000	$	5,161.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM MULTIMODE LED, DUAL UPLINK
OP-45/B/28X/48/R/SC/13L/D	3322750000	$	4,961.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-45/B/28X/48/R/SC/SF2	3322120000	$	5,085.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, SC CONNECTOR, TX 1550 NM WDM LASER, RX 1310 NM, SINGLE FIBER
OP-45/B/28X/48/R/SC/SF3/D	3324850000	$	5,490.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, SC CONNECTOR, TX/RX 1310 NM LASER, SINGLE FIBER, DUAL UPLINK
OP-45/B/28X/48/R/ST/13LH/D	3322460000	$	5,389.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, ST CONNECTOR, 1310 NM, SINGLE MODE, LONG-HAUL LASER, DUAL UPLINK
OP-45/B/28X/48/R/ST/85L/D	3323430000	$	5,414.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, ST CONNECTOR, 850 NM MULTIMODE VCSEL, DUAL UPLINK
OP-45/B/28X/48/R/STC/SC/13L/D	3320770000	$	5,503.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, STATION CLOCK, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-45/B/28X/48/R/STC/ST/13L/D	3324660000	$	5,503.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, STATION CLOCK, ST CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-45/B/28X/48/R/STC/ST/85/D	3323850000	$	5,731.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3
OP-45/B/28X/AC/R/SC/13L/D	3324190000	$	4,683.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-45/B/28X/AC/R/SC/13LH/D	3323020000	$	5,099.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM, SINGLE MODE, LONG-HAUL LASER, DUAL UPLINK
OP-45/B/28X/AC/R/SC/15L/D	3321120000	$	5,149.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1550 NM SINGLE MODE LASER SHORT-HAUL, DUAL UPLINK
OP-45/B/28X/AC/R/SC/SF1	3324480000	$	4,770.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BAL E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, RED PS, SC CON, TX 1310 NM WDM LASER, RX 1550 NM, SF

OP-45/B/28X/AC/R/SC13	3323150000	$	4,681.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM MULTIMODE LED
OP-45/B/28X/AC/R/ST/13	3320930000	$	4,681.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, ST CONNECTOR, 1310 NM MULTIMODE LED
OP-45/B/28X/AC/R/ST/13LH	3324570000	$	4,795.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, ST CONNECTOR, 1310 NM, SINGLE MODE, LONG-HAUL LASER
OP-45/B/28X/AC/R/ST/85L/D	3323260000	$	5,124.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, ST CONNECTOR, 850 NM MULTIMODE VCSEL, DUAL UPLINK
OP-45/B/28X/AC/R/ST85L	3322520000	$	4,807.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, ST CONNECTOR, 850 NM MULTIMODE VCSEL
OP-45/B/28X/AC/R/STC/CX/D	3322040000	$	4,952.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, STATION CLOCK, COAXIAL CONNECTOR, DUAL UPLINK
OP-45/B/28X/AC/R/STC/SC/13L/D	3323250000	$	5,212.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, STATION CLOCK, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-45/B/28X/AC/R/STC/SC/85L/D	3323330000	$	5,440.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, STATION CLOCK, SC CONNECTOR, 850 NM MULTIMODE VCSEL, DUAL UPLINK
OP-45/B/28X/AC/R/STC/ST/85L/D	3322020000	$	5,440.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, STATION CLOCK, ST CONNECTOR, 850 NM MULTIMODE VCSEL, DUAL UPLINK
OP-45/B/28X/AC/SC/13L	3323830000	$	4,567.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, SC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-45/B/28X/AC/SC/13L/D	3322130000	$	4,770.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-45/B/28X/AC/SC/SF1	3324890000	$	4,643.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, SC CONNECTOR, TX 1310 NM WDM LASER, RX 1550 NM, SINGLE FIBER
OP-45/B/28X/AC/SC/SF2	3324870000	$	4,668.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, SC CONNECTOR, TX 1550 NM WDM LASER, RX 1310 NM, SINGLE FIBER
OP-45/B/28X/AC/SC/SF2	3324870000	$	4,668.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, SC CONNECTOR, TX 1550 NM WDM LASER, RX 1310 NM, SINGLE FIBER
OP-45/B/28X/AC/SC/SF3	3324860000	$	4,719.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, SC CONNECTOR, TX/RX 1310 NM LASER, SINGLE FIBER
OP-45/B/28X/AC/SC85L	3324240000	$	4,681.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, SC CONNECTOR, 850 NM MULTIMODE VCSEL
OP-45/B/28X/AD/SC/SF3	3322200000	$	5,035.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100 TO 240 VAC WITH REDUNDANT -48 VDC POWER SUPPLY, SC CONNECTOR, TX/RX 1310 NM LASER, SINGLE FIBER
OP-45/B/28X/AD/ST/13/D	3320140000	$	5,060.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100 TO 240 VAC WITH REDUNDANT -48 VDC POWER SUPPLY, ST CONNECTOR, 1310 NM MULTIMODE LED, DUAL UPLINK
OP-45/B/28X/AD/STC/ST/13L	3321090000	$	5,200.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100 TO 240 VAC WITH REDUNDANT -48 VDC POWER SUPPLY, STATION CLOCK, ST CONNECTOR, 1310 NM SINGLE MODE LASER
OP-45/B/28X/AD/STC/ST/85L	3324770000	$	5,313.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100 TO 240 VAC WITH REDUNDANT -48 VDC POWER SUPPLY, STATION CLOCK, ST CONNECTOR, 850 NM MULTIMODE VCSEL
OP-45/B/4X/AD/SC/13L/D	3324750000	$	4,390.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 4 T1 OR 3 E1 PORTS, 100 TO 240 VAC WITH REDUNDANT -48 VDC POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-45/B/8X/AC/R/SC/15LH	3324620000	$	4,731.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 8 T1 OR 6 E1 USER PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1550 NM SINGLE MODE LASER LONG-HAUL
OP-45/B/8X/AC/R/ST/13	3324600000	$	4,112.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 8 T1 OR 6 E1 USER PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, ST CONNECTOR, 1310 NM MULTIMODE LED
OP-45/B/8X/AC/R/ST/13L	3324560000	$	4,124.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 8 T1 OR 6 E1 USER PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, ST CONNECTOR, 1310 NM SINGLE MODE LASER
OP-45/U/21X/48/FC/13LH/D	3322190000	$	7,310.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, UNBALANCED E1 INTERFACE, 21 E1 PORTS, -48 VDC, FC CONNECTOR, 1310 NM, SINGLE MODE, LONG-HAUL LASER, DUAL UPLINK
OP-45/U/21X/48/R/STC/CX	3323980000	$	7,138.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, UNBALANCED E1 INTERFACE, 21 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, STATION CLOCK, COAXIAL CONNECTOR
OP-45B/28X/24/CX	3324060000	$	4,618.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 24 VDC, COAXIAL CONNECTOR
OP-45B/28X/24/R/CX/D/WR	3323500000	$	4,927.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 24 VDC, REDUNDANT POWER SUPPLY, COAXIAL CONNECTOR, DUAL UPLINK, WIRELESS RING SUPPORT
OP-45B/28X/24/R/SC13	3324810000	$	5,731.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3
OP-45B/28X/24/R/ST13L/D	3323490000	$	5,187.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 24 VDC, REDUNDANT POWER SUPPLY, ST CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-45B/28X/24/R/ST85/D	3324100000	$	5,414.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3
OP-45B/28X/48/R/CX/D	3322640000	$	4,714.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, COAXIAL CONNECTOR, DUAL UPLINK
OP-45B/28X/48/R/CX/D/WR	3323030000	$	4,927.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, COAXIAL CONNECTOR, DUAL UPLINK, WIRELESS RING SUPPORT
OP-45B/28X/48/R/SC/SF1/D	3322940000	$	5,338.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, SC CONNECTOR, TX 1310 NM WDM LASER, RX 1550 NM, SINGLE FIBER, DUAL UPLINK
OP-45B/28X/48/R/SC/SF2/D	3322950000	$	5,389.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, SC CONNECTOR, TX 1550 NM WDM LASER, RX 1310 NM, SINGLE FIBER, DUAL UPLINK
OP-45B/28X/48/R/SC13L	3322760000	$	4,767.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER

OP-45B/28X/48/R/SC13L/D	3322750000	$	4,961.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-45B/28X/48/R/SC85	3322770000	$	5,099.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 850 NM MULTIMODE VCSEL
OP-45B/28X/48/R/SC85/D	3323710000	$	5,414.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 850 NM MULTIMODE VCSEL, DUAL UPLINK
OP-45B/28X/48/R/ST13/D	3323570000	$	5,161.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, ST CONNECTOR, 1310 NM MULTIMODE LED, DUAL UPLINK
OP-45B/28X/48/R/ST13L	3323390000	$	4,984.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, ST CONNECTOR, 1310 NM SINGLE MODE LASER
OP-45B/28X/48/R/ST13L/D	3322650000	$	5,187.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, ST CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-45B/28X/48/R/STC/CX	3323950000	$	5,099.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, STATION CLOCK, COAXIAL CONNECTOR
OP-45B/28X/48/R/STC/CX/D	3323720000	$	5,244.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, STATION CLOCK, COAXIAL CONNECTOR, DUAL UPLINK
OP-45B/28X/48/R/STC/SC85/D	3324110000	$	5,731.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3
OP-45B/28X/48/SC/SF2	3323770000	$	4,921.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, -48 VDC, SC CONNECTOR, TX 1550 NM WDM LASER, RX 1310 NM, SINGLE FIBER
OP-45B/28X/AC/CX	3322680000	$	4,365.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, COAXIAL CONNECTOR
OP-45B/28X/AC/R/CX	3322630000	$	4,296.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, COAXIAL CONNECTOR
OP-45B/28X/AC/R/CX/D	3322530000	$	4,435.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, COAXIAL CONNECTOR, DUAL UPLINK
OP-45B/28X/AC/R/CX/D/WR	3322920000	$	4,637.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, COAXIAL CONNECTOR, DUAL UPLINK, WIRELESS RING SUPPORT
OP-45B/28X/AC/R/FC13L/D	3323320000	$	4,896.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, FC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-45B/28X/AC/R/FC13L/D/BLANK	3320010100	$	5,124.00	45MBPS OPT. MULTIPLEX RING,28T1/21E1,RJ45,REDUNDAN
OP-45B/28X/AC/R/FC13LH/D	3323550000	$	5,099.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, FC CONNECTOR, 1310 NM, SINGLE MODE, LONG-HAUL LASER, DUAL UPLINK
OP-45B/28X/AC/R/SC/SF1/D	3322710000	$	5,048.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, SC CONNECTOR, TX 1310 NM WDM LASER, RX 1550 NM, SINGLE FIBER, DUAL UPLINK
OP-45B/28X/AC/R/SC/SF2/D	3322720000	$	5,099.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, SC CONNECTOR, TX 1550 NM WDM LASER, RX 1310 NM, SINGLE FIBER, DUAL UPLINK
OP-45B/28X/AC/R/SC13/D	3323050000	$	4,871.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM MULTIMODE LED, DUAL UPLINK
OP-45B/28X/AC/R/SC13L	3323530000	$	4,489.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-45B/28X/AC/R/SC15LH/D	3323650000	$	6,111.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1550 NM SINGLE MODE LASER LONG-HAUL, DUAL UPLINK
OP-45B/28X/AC/R/SC85	3323800000	$	4,807.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3
OP-45B/28X/AC/R/SC85/D	3322620000	$	5,124.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 850 NM MULTIMODE VCSEL, DUAL UPLINK
OP-45B/28X/AC/R/ST13/D	3322670000	$	4,871.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, ST CONNECTOR, 1310 NM MULTIMODE LED, DUAL UPLINK
OP-45B/28X/AC/R/ST13L	3322820000	$	4,694.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, ST CONNECTOR, 1310 NM SINGLE MODE LASER
OP-45B/28X/AC/R/ST13L/D	3322510000	$	4,683.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, ST CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-45B/28X/AC/R/ST85	3322520000	$	4,180.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, ST CONNECTOR, 850 NM MULTIMODE VCSEL
OP-45B/28X/AC/R/STC/SC/SF3/D	3323400000	$	5,515.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, STATION CLOCK, SC CONNECTOR, TX/RX 1310 NM LASER, SINGLE FIBER, DUAL UPLINK
OP-45B/28X/AC/R/STC/SC13/D	3323580000	$	5,187.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, STATION CLOCK, SC CONNECTOR, 1310 NM MULTIMODE LED, DUAL UPLINK
OP-45B/28X/AC/R/STC/ST13/D	3324010000	$	5,187.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, STATION CLOCK, ST CONNECTOR, 1310 NM MULTIMODE LED, DUAL UPLINK
OP-45B/28X/AC/ST13L	3323420000	$	4,567.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100-240 VAC, ST CONNECTOR, 1310 NM SINGLE MODE LASER
OP-45B/28X/AD/CX/D/WR	3324030000	$	4,826.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100 TO 240 VAC WITH REDUNDANT -48 VDC POWER SUPPLY, COAXIAL CONNECTOR, DUAL UPLINK, WIRELESS RING SUPPORT
OP-45B/28X/AD/ST13L/D	3322880000	$	5,085.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 28 T1 OR 21 E1 PORTS, 100 TO 240 VAC WITH REDUNDANT -48 VDC POWER SUPPLY, ST CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-45B/4X/48/R/CX	3324090000	$	4,087.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, BALANCED E1 INTERFACE, 4 T1 OR 3 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, COAXIAL CONNECTOR
OP-45B/8X/AC/R/SC85/D	3323940000	$	4,554.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3
OP-45L/B/24/R/CX/D	2941510000	$	3,515.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, 24 VDC, REDUNDANT POWER SUPPLY, COAXIAL CONNECTOR, DUAL UPLINK
OP-45L/B/24/R/SC/13L	2941610000	$	3,656.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, 24 VDC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-45L/B/48/CX	2940620000	$	3,289.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, -48 VDC, COAXIAL CONNECTOR
OP-45L/B/48/R/CX	2940510000	$	3,303.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, -48 VDC, REDUNDANT POWER SUPPLY, COAXIAL CONNECTOR

OP-45L/B/48/R/CX/D	2940570000	$	3,362.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, -48 VDC, REDUNDANT POWER SUPPLY, COAXIAL CONNECTOR, DUAL UPLINK
OP-45L/B/48/R/FC/15L	2941140000	$	3,783.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, -48 VDC, REDUNDANT POWER SUPPLY, FC CONNECTOR, 1550 NM SINGLE MODE LASER SHORT-HAUL
OP-45L/B/48/R/SC/13/D	2941520000	$	3,834.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, -48 VDC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM MULTIMODE LED, DUAL UPLINK
OP-45L/B/48/R/SC/13LH	2941150000	$	3,758.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, -48 VDC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM, SINGLE MODE, LONG-HAUL LASER
OP-45L/B/48/R/SC/85L	2941290000	$	3,770.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, -48 VDC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 850 NM MULTIMODE VCSEL
OP-45L/B/48/R/SC/SF1	2940930000	$	3,732.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, -48 VDC, REDUNDANT POWER SUPPLY, SC CONNECTOR, TX 1310 NM WDM LASER, RX 1550 NM, SINGLE FIBER
OP-45L/B/48/R/SC/SF2	2940940000	$	3,758.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, -48 VDC, REDUNDANT POWER SUPPLY, SC CONNECTOR, TX 1550 NM WDM LASER, RX 1310 NM, SINGLE FIBER
OP-45L/B/48/R/SC/SF3/D	2941230000	$	4,162.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, -48 VDC, REDUNDANT POWER SUPPLY, SC CONNECTOR, TX/RX 1310 NM LASER, SINGLE FIBER, DUAL UPLINK
OP-45L/B/48/R/SC13	2940430000	$	3,643.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, -48 VDC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM MULTIMODE LED
OP-45L/B/48/R/SC13L	2940520000	$	3,656.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, -48 VDC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-45L/B/48/R/SC13L/D	2940690000	$	3,859.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, -48 VDC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-45L/B/48/R/ST/15L	2941020000	$	3,783.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, -48 VDC, REDUNDANT POWER SUPPLY, ST CONNECTOR, 1550 NM SINGLE MODE LASER SHORT-HAUL
OP-45L/B/48/R/ST/15LH	2941190000	$	4,264.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, -48 VDC, REDUNDANT POWER SUPPLY, ST CONNECTOR, 1550 NM SINGLE MODE LASER LONG-HAUL
OP-45L/B/48/R/ST13L/D	2940410000	$	3,859.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, -48 VDC, REDUNDANT POWER SUPPLY, ST CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-45L/B/48/R/ST85	2940480000	$	3,770.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, -48 VDC, REDUNDANT POWER SUPPLY, ST CONNECTOR, 850 NM MULTIMODE VCSEL
OP-45L/B/48/R/ST85/LD	2940970000	$	4,087.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, -48 VDC, REDUNDANT POWER SUPPLY, ST CONNECTOR, 850 NM MULTIMODE VCSEL, DUAL UPLINK
OP-45L/B/48/R/STC/CX	2940730000	$	3,770.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, -48 VDC, REDUNDANT POWER SUPPLY, STATION CLOCK, COAXIAL CONNECTOR
OP-45L/B/48/R/STC/SC/13L/D	2941170000	$	4,175.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, -48 VDC, REDUNDANT POWER SUPPLY, STATION CLOCK, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-45L/B/48/R/STC/SC85	2940560000	$	4,087.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, -48 VDC, REDUNDANT POWER SUPPLY, STATION CLOCK, SC CONNECTOR, 850 NM MULTIMODE VCSEL
OP-45L/B/48/R/STC/ST/13L/D	2940700000	$	4,175.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, -48 VDC, REDUNDANT POWER SUPPLY, STATION CLOCK, ST CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-45L/B/48/ST13	2940890000	$	3,479.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, -48 VDC, ST CONNECTOR, 1310 NM MULTIMODE LED
OP-45L/B/48/ST13L	2940900000	$	3,491.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, -48 VDC, ST CONNECTOR, 1310 NM SINGLE MODE LASER
OP-45L/B/AC/CX	2940540000	$	3,036.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, 100-240 VAC, SINGLE POWER SUPPLY, COAXIAL UPLINK
OP-45L/B/AC/R/CX	2940550000	$	3,025.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, 100-240 VAC, REDUNDANT POWER SUPPLY, COAXIAL CONNECTOR
OP-45L/B/AC/R/CX/D	2940600000	$	3,223.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, 100-240 VAC, REDUNDANT POWER SUPPLY, COAXIAL CONNECTOR, DUAL UPLINK
OP-45L/B/AC/R/SC/13	2941380000	$	3,353.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, 100-240 VAC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM MULTIMODE LED
OP-45L/B/AC/R/SC/13/D	2941070000	$	3,542.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, 100-240 VAC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM MULTIMODE LED, DUAL UPLINK
OP-45L/B/AC/R/SC/13L	2940530000	$	3,219.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, 100-240 VAC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-45L/B/AC/R/SC/13LH	2941090000	$	3,466.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, 100-240 VAC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM, SINGLE MODE, LONG-HAUL LASER
OP-45L/B/AC/R/SC/13LH/D	2941620000	$	3,466.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, 100-240 VAC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM, SINGLE MODE, LONG-HAUL LASER, DUAL UPLINK
OP-45L/B/AC/R/SC/85L	2941120000	$	3,479.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, 100-240 VAC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 850 NM MULTIMODE VCSEL
OP-45L/B/AC/R/SC/85L/D	2941410000	$	3,795.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, 100-240 VAC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 850 NM MULTIMODE VCSEL, DUAL UPLINK
OP-45L/B/AC/R/SC/SF1	2941200000	$	3,441.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, 100-240 VAC, REDUNDANT POWER SUPPLY, SC CONNECTOR, TX 1310 NM WDM LASER, RX 1550 NM, SINGLE FIBER
OP-45L/B/AC/R/SC/SF2	2941210000	$	3,466.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, 100-240 VAC, REDUNDANT POWER SUPPLY, SC CONNECTOR, TX 1550 NM WDM LASER, RX 1310 NM, SINGLE FIBER
OP-45L/B/AC/R/SC/SF3/D	2940680000	$	3,871.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, 100-240 VAC, REDUNDANT POWER SUPPLY, SC CONNECTOR, TX/RX 1310 NM LASER, SINGLE FIBER, DUAL UPLINK
OP-45L/B/AC/R/SC13L/D	2940580000	$	3,412.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, 100-240 VAC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-45L/B/AC/R/ST/13L	2940770000	$	3,219.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, 100-240 VAC, REDUNDANT POWER SUPPLY, ST CONNECTOR, 1310 NM SINGLE MODE LASER
OP-45L/B/AC/R/ST/15LH	2941180000	$	3,972.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, 100-240 VAC, REDUNDANT POWER SUPPLY, ST CONNECTOR, 1550 NM SINGLE MODE LASER LONG-HAUL
OP-45L/B/AC/R/ST/85L	2940780000	$	3,479.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, 100-240 VAC, REDUNDANT POWER SUPPLY, ST CONNECTOR, 850 NM MULTIMODE VCSEL
OP-45L/B/AC/R/ST13L/D	2940990000	$	3,567.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, 100-240 VAC, REDUNDANT POWER SUPPLY, ST CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-45L/B/AC/R/STC/CX/D	2941390000	$	3,386.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, 100-240 VAC, REDUNDANT POWER SUPPLY, STATION CLOCK, COAXIAL CONNECTOR, DUAL UPLINK
OP-45L/B/AC/R/STC/ST/13L/D	2941450000	$	3,884.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, 100-240 VAC, REDUNDANT POWER SUPPLY, STATION CLOCK, ST CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-45L/B/AC/SC/13	2940960000	$	3,226.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, 100-240 VAC, SC CONNECTOR, 1310 NM MULTIMODE LED
OP-45L/B/AC/SC/13L	2940670000	$	3,238.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, 100-240 VAC, SC CONNECTOR, 1310 NM SINGLE MODE LASER
OP-45L/B/AC/SC/85L	2940980000	$	3,353.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, 100-240 VAC, SC CONNECTOR, 850 NM MULTIMODE VCSEL
OP-45L/B/AC/SC/85L/D	2941010000	$	3,669.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, 100-240 VAC, SC CONNECTOR, 850 NM MULTIMODE VCSEL, DUAL UPLINK
OP-45L/B/AC/ST85	2940420000	$	2,915.00	PDH FIBER OPTIC MULTIPLEXER, BALANCED E1 INTERFACE, 100-240 VAC, ST CONNECTOR, 850 NM MULTIMODE VCSEL
OP-45L/U/48/R/CX	2941050000	$	4,663.00	PDH FIBER OPTIC MULTIPLEXER, UNBALANCED E1 INTERFACE, -48 VDC, REDUNDANT POWER SUPPLY, COAXIAL CONNECTOR
OP-45L/U/48/R/SC13L/D	2940820000	$	5,210.00	PDH FIBER OPTIC MULTIPLEXER, UNBALANCED E1 INTERFACE, -48 VDC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-45U/21X/24/CX	3323960000	$	6,490.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, UNBALANCED E1 INTERFACE, 21 E1 PORTS, 24 VDC, COAXIAL CONNECTOR
OP-45U/21X/48/R/CX	3323790000	$	6,712.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, UNBALANCED E1 INTERFACE, 21 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, COAXIAL CONNECTOR
OP-45U/21X/48/R/FC13LH/D	3322800000	$	7,532.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, UNBALANCED E1 INTERFACE, 21 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, FC CONNECTOR, 1310 NM, SINGLE MODE, LONG-HAUL LASER, DUAL UPLINK

OP-45U/21X/48/R/SC13L/D	3323310000	$	7,259.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, UNBALANCED E1 INTERFACE, 21 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-45U/21X/48/R/STC/SC/SF3/D	3323590000	$	8,095.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, UNBALANCED E1 INTERFACE, 21 E1 PORTS, -48 VDC, REDUNDANT POWER SUPPLY, STATION CLOCK, SC CONNECTOR, TX/RX 1310 NM LASER, SINGLE FIBER, DUAL UPLINK
OP-45U/21X/AC/R/SC13L/D	3323450000	$	6,865.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, UNBALANCED E1 INTERFACE, 21 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-45U/21X/AC/R/SC15LH/D	3323660000	$	8,504.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, UNBALANCED E1 INTERFACE, 21 E1 PORTS, 100-240 VAC, REDUNDANT POWER SUPPLY, SC CONNECTOR, 1550 NM SINGLE MODE LASER LONG-HAUL, DUAL UPLINK
OP-45U/21X/AD/SC13L/D	3323300000	$	7,123.00	MULTIPLEXER FOR 21E1/28T1 OVER FIBER OR T3, UNBALANCED E1 INTERFACE, 21 E1 PORTS, 100 TO 240 VAC WITH REDUNDANT -48 VDC POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER, DUAL UPLINK
OP-45U/48/R/SC13L/D	3322830000	$	7,088.00	FIBER OPTIC ADD/DROP MULTIPLEXER WITH ADM FUNCTIONALITY, UNBALANCED E1 INTERFACE, 21 E1 PORTS, REDUNDANT ¿48 VDC, SC CONNECTOR, 2 MAIN LINKS, SINGLE MODE 1310 NM LASER DIODE
OP-45U/AD/SC13L/D	3322840000	$	6,951.00	21XUNBAL E1, 45MBPS OPTICAL MUX,2 48 VDC PS
OP-A/ADAPTOR/21BNC	3720010000	$	854.00	ADAPTOR WITH 21 BNC UNBALANCED INTERFACES FOR OP-1551
OP-A/ADAPTOR/21BNC/45L	3720060000	$	633.00	PATCH PANEL INTERFACE ADAPTORS TO CONVERT TELCO INTO CHANNEL CONNECTORS, 21 BNC/T3L PATCH PANEL WITH 21 UNBALANCED BNC E1 INTERFACES, INCLUDES ONE CBL-TELCO-TELCO/UB CABLE, FOR OP-45L
OP-A/ADAPTOR/28RJ	3720020000	$	633.00	ADAPTOR WITH 28 BALANCED RJ-45 INTERFACES
OP-M/CX/155	2950090000	$	399.00	ELECTRICAL MAIN LINK MODULE FOR OPTIMUX PRODUCTS WITH STM-1/OC-3 COAX INTERFACE, 155 MBPS
OP-M/CX/45	2950050000	$	303.00	ELECTRICAL MAIN LINK MODULE FOR OPTIMUX-45 AND OPTIMUX-45L, 45 MBPS (T3)
OP-M/MM/SC13	2950060000	$	242.00	FIBER OPTIC MODULE FOR OPTIMUX PRODUCTS, SC INTERFACE, 1310 NM MULTIMODE
OP-M/MM/SC85	2950020000	$	411.00	MAIN LINK FIBER OPTIC INTERFACE MODULE FOR OPTIMUX-45, OPTIMUX-1551, OPTIMUX-1553, SC CONNECTOR, 850 NM MULTIMODE VCSEL
OP-M/MM/ST13	2950070000	$	242.00	FIBER OPTIC MODULE FOR OPTIMUX-45/45L/1551/1553, ST INTERFACE, MULTIMODE 1310 NM LED MAIN LINK
OP-M/SC/SF1	2950110000	$	266.00	MAIN LINK FIBER OPTIC INTERFACE MODULE FOR OPTIMUX-45, OPTIMUX-1551, OPTIMUX-1553, SC CONNECTOR, TX 1310 NM WDM LASER, RX 1550 NM, SINGLE FIBER
OP-M/SC/SF2	2950130000	$	290.00	MAIN LINK FIBER OPTIC INTERFACE MODULE FOR OPTIMUX-45, OPTIMUX-1551, OPTIMUX-1553, SC CONNECTOR, TX 1550 NM WDM LASER, RX 1310 NM, SINGLE FIBER
OP-M/SC/SF3	2950150000	$	448.00	FIBER OPTIC MODULE FOR OPTIMUX-45/45L/1551/1553, SC INTERFACE, SINGLE FIBER, 1310 NM TX AND RX
OP-M/SM/FC/15LH	2950200000	$	883.00	MAIN LINK FIBER OPTIC INTERFACE MODULE FOR OPTIMUX-45, OPTIMUX-1551, OPTIMUX-1553, FC CONNECTOR, 1550 NM SINGLE MODE LASER LONG-HAUL
OP-M/SM/FC13L	2950170000	$	327.00	FIBER OPTIC MODULE FOR OPTIMUX-45/45L/1551/1553, FC INTERFACE, 1310 NM SINGLE MODE LASER
OP-M/SM/FC15L	2950190000	$	448.00	FIBER OPTIC MODULE FOR OPTIMUX-45/45L/1551/1553, FC INTERFACE, 1550 NM SINGLE MODE LASER
OP-M/SM/SC/15LH	2950250000	$	883.00	MAIN LINK FIBER OPTIC INTERFACE MODULE FOR OPTIMUX-45, OPTIMUX-1551, OPTIMUX-1553, SC CONNECTOR, 1550 NM SINGLE MODE LASER LONG-HAUL
OP-M/SM/SC13L	2950220000	$	327.00	FIBER OPTIC MODULE FOR OPTIMUX-45/45L/1551/1553, SC INTERFACE, 1310 NM SINGLE MODE LASER
OP-M/SM/SC13LH	2950230000	$	484.00	FIBER OPTIC MODULE FOR OPTIMUX-45/45L/1551/1553, SC INTERFACE, 1310 NM SINGLE MODE LONG HAUL
OP-M/SM/SC15L	2950240000	$	448.00	FIBER OPTIC MODULE FOR OPTIMUX-45/45L/1551/1553, SC INTERFACE, 1550 NM SINGLE MODE LASER
OP-M/SM/ST/15LH	2950300000	$	883.00	MAIN LINK FIBER OPTIC INTERFACE MODULE FOR OPTIMUX-45, OPTIMUX-1551, OPTIMUX-1553, ST CONNECTOR, 1550 NM SINGLE MODE LASER LONG-HAUL
OP-M/SM/ST13L	2950270000	$	327.00	FIBER INTERFACE MODULE,1310NM,ST LASER SINGLE MODE
OP-M/SM/ST13LH	2950280000	$	484.00	FIBER INTERFACE MODULE, 1310 NM, ST INTERFACE SINGLE MODE LONG HAUL
OP-M/SM/ST15L	2950290000	$	448.00	FIBER INTERFACE MODULE,1550NM,ST LASER SINGLE MODE
OP-M/ST/85L	2950080000	$	411.00	MAIN LINK FIBER OPTIC INTERFACE MODULE FOR OPTIMUX-45, OPTIMUX-1551, OPTIMUX-1553, ST CONNECTOR, 850 NM MULTIMODE VCSEL
OP-M-BP	3720110000	$	19.00	OP-1551/3/XL MAIN LINK'S BLANK PANEL
P-06BL	000SPD0001	$	10.00	AC POWER CORD - (FEMALE RIGHT ANGLE)
PC-4/3-STF-7.62	9514980000	$	20.00	PLUG-DC/TB/GMUX
PFH-4/DC/180V/2P	4710030000	$	814.00	SHDSL POWER FEEDING HUB, 180 VDC, 2-PAIR INTERFACE
PFH-4/DC/180V/4P	4710020000	$	1,170.00	SHDSL POWER FEEDING HUB, 180 VDC, 4-PAIR INTERFACE
PL-1000-2-D-T	0000000000	$	13,993.00	PACKETLIGHT 2 CHANNELS BOX WITH DWDM MUX/DEMUX, RIBBON CABLE NO PS
PL-1000-2-T	000PKT0025	$	12,642.00	PACKETLIGHT 2 CHANNELS BOX (NO DWDM MUX AND RIBBON CABLE) - NO PS
PL-1000-4-C-T	000PKT0080	$	16,341.00	PACKETLIGHT PL-1000 4 CHANNELS BOX WITH CWDM 4 CHANNEL MUX/DEMUX, RIBBON CABLE, NO PSU
PL-1000-4-D-T	0000000000	$	19,966.00	PACKETLIGHT 10G DWDM TRANSPORT DEVICE W/4 CHANNELS, DWDM MUX/DEMUX, RIBBON CABLE
PL-1000-4-T	000PKT0026	$	17,662.00	PACKETLIGHT 4 CHANNELS BOX 1X AC PSU (NO DWDM MUX AND RIBBON CABLE)
PL-1000-8-D-T	000PKT0027	$	22,100.00	PACKETLIGHT 4 CHANNELS BOX WITH DWDM 8 CHANNEL MUX/DEMUX, RIBBON CABLE, AND 1X AC PSU
PL-1000E-6	000PKT0071	$	19,090.00	PACKETLIGHT PL-1000E 2X8/10G+4XSUB10G BOX NO PSU (NO C/DWDM MUX AND RIBBON CABLE)
PL-1000E-6-C-T	000PKT0072	$	21,505.00	PACKETLIGHT PL-1000E 2X8/10G+4XSUB10G BOX NO PSU + 8CH CWDM MUX/DEMUX
PL-1000E-6-D-T	000PKT0074	$	24,495.00	PACKETLIGHT PL-1000E 2X8/10G+4XSUB10G BOX NO PSU + 8CH DWDM MUX/DEMUX
PL-1000E-8	000PKT0047	$	22,965.00	PACKETLIGHT 4X8/10G+4XSUB10G BOX 1X AC PSU (NO C/DWDM MUX AND RIBBON CABLE)
PL-1000E-8-C-T	000PKT0046	$	22,632.00	PACKETLIGHT 4X8/10G+4XSUB10G BOX 1X AC PSU + 8CH CWDM MUX/DEMUX
PL-1000E-8-C-T-P	000PKT0073	$	25,571.00	PACKETLIGHT PL-1000E 2X10G + 2XSUB 10G (TOTAL 4) PROTECTED, 2 X4CH CWDM MUX/DEMUX, RIBBON CABLE, NO PSU
PL-1000E-8-D-T	000PKT0045	$	26,828.00	PACKETLIGHT 4X8/10G+4XSUB10G BOX 1X AC PSU + 8CH DWDM MUX/DEMUX
PL-1000E-8-D-T-P	000PKT0075	$	27,983.00	PACKETLIGHT PL-1000E 2X10G + 2XSUB 10G (TOTAL 4) PROTECTED, 2 X4CH DWDM MUX/DEMUX, RIBBON CABLE, NO PSU
PL-1000E-M	000PKT0099	$	13,992.00	PACKETLIGHT PL-1000E-M 10GBE TO 1X10G MUXPONDER NO PSU
PL-1000E-M-C	000PKT0100	$	13,800.00	PACKETLIGHT PL-1000E-M 10GBE TO 1X10G MUXPONDER W/2 CHANNELS NO PSU
PL-1000IL-1	000PKT0028	$	5,404.00	PACKETLIGHT PL-1000IL CHASSIS FOR SINGLE EDFA (POWER SUPPLY PURCHASED SEPERATELY)
PL-1000IL-2	000PKT0029	$	5,597.00	PACKETLIGHT PL-1000IL CHASSIS FOR DUAL EDFA (POWER SUPPLY PURCHASED SEPERATELY)
PL-1000RO-2	000PKT0136	$	17,755.00	PL-1000RO ROADM 1X2 WSS NO PSU
PL-1000RO-4	000PKT0137	$	21,422.00	PL-1000RO ROADM 1X4 WSS NO PSU
PL-1000TN-2-T	000PKT0127	$	19,299.00	PL-1000TN 6 MULTIRATE OTN TRANSPONDERS (2 TRANSPONDERS LICENSE)
PL-1000TN-6-T	000PKT0109	$	27,018.00	PACKETLIGHT -
PL-14-E-EDFA	000PKT0016	$	5,980.00	PACKETLIGHT EDFA 14
PL-17-E-EDFA	000PKT0032	$	6,440.00	PACKETLIGHT EDFA 17DBM OUTPUT POWER (8 CHANNEL BOOSTER)

PL-20-E-EDFA	000PKT0017	$	4,824.00	PACKETLIGHT EDFA 20
PL-23-E-EDFA	000PKT0034	$	9,263.00	PACKETLIGHT EDFA 23DBM OUTPUT POWER (32 CHANNELS BOOSTER)
PL-300-DCM	000PKT0035	$	386.00	PACKETLIGHT PL-300 DCM CHAISS
PL-300-DCM80	000PKT0062	$	4,000.00	PL-300
PL-300-OADM	000PKT0036	$	385.00	PACKETLIGHT PL-300 OADM CHAISS
PL-32CH-INLINE-21-25	000PKT0037	$	7,475.00	PACKETLIGHT 32 CH EDFA INLINE 17DBM OUTPUT POWER, 20DB GAIN NOMINAL -27DBM INPUT POWER (MIN)
PL-400-4	000PKT0038	$	8,592.00	PACKETLIGHT 4 CHANNELS BOX (NO C/DWDM MUX AND RIBBON CABLE) - NO PS
PL-400-4-C-T	0000000000	$	9,749.00	PACKETLIGHT 4 CHANNELS BOX WITH CWDM MUX/DEMUX, RIBBON CABLE, NO PS
PL-400-4-D-T	0000000000	$	10,232.00	PACKETLIGHT 4 CHANNELS BOX WITH DWDM MUX/DEMUX, RIBBON CABLE - NO PS
PL-400-8	000PKT0039	$	11,579.00	PACKETLIGHT 8 CHANNELS BOX (NO C/DWDM MUX AND RIBBON CABLE) - NO PS
PL-400-8-C-T	0000000000	$	15,252.00	PACKETLIGHT 8 CHANNELS BOX WITH CWDM MUX/DEMUX, RIBBON CABLE - NO PS
PL-400-8-D-T	0000000000	$	15,638.00	PACKETLIGHT 8 CHANNELS BOX WITH DWDM MUX/DEMUX, RIBBON CABLE - NO PS
PL-CWDM-1M-4W-1C-2F	000PKT0163	$	1,544.00	PL-300 CWDM 4CH MUX/DMUX
PL-CWDM-1M-8W-1C-1F	000PKT0055	$	1,544.00	PACKETLIGHT SINGLE FIBER CWDM 8CH MUX (4 SERVICES)
PL-CWDM-1M-8W-1C-2F	000PKT0098	$	2,702.00	PACKETLIGHT CWDM 8CH MUX/DMUX
PL-DWDM-1M-40W-1C-2F	000PKT0066	$	9,936.00	PL-300 DWDM 40CH MUX/DMUX
PL-DWDM-2M-4W-2C-2F-C20	000PKT0156	$	6,095.00	PL-DWDM-2M-4W-2C-2F-C20-U + PL-OADM-1-D-CH21 X 2
PL-DWDM-2M-4W-2C-2F-C36	000PKT0158	$	6,095.00	PL-DWDM-2M-4W-2C-2F-CH36-U + PL-OADM-1-D-CH21 X 2
PL-DWDM-2M-4W-2C-2F-C44	000PKT0159	$	6,095.00	PL-DWDM-2M-4W-2C-2F-CH44-U + PL-OADM-1-D-CH21 X 2
PL-DWDM-2M-4W-2C-2F-C52	000PKT0160	$	6,095.00	PL-DWDM-2M-4W-2C-2F-CH52-U + PL-OADM-1-D-CH21 X 2
PL-DWDM-2M-4W-2C-2F-C56	000PKT0161	$	6,095.00	PL-DWDM-2M-4W-2C-2F-CH55-U + PL-OADM-1-D-CH21 X 2
PL-DWDM-2M-4W-2C-2F-CH20-U	000PKT0138	$	5,520.00	PL-300 2 X DWDM 4CH MUX/DMUX - CH20-23 WITH UPGRADE PORT
PL-DWDM-2M-4W-2C-2F-CH28-U	000PKT0139	$	5,520.00	PL-300 2 X DWDM 4CH MUX/DMUX - CH28-31 WITH UPGRADE PORT
PL-DWDM-2M-4W-2C-2F-CH36-U	000PKT0140	$	5,520.00	PL-300 2 X DWDM 4CH MUX/DMUX - CH36-39 WITH UPGRADE PORT
PL-DWDM-2M-4W-2C-2F-CH44-U	000PKT0141	$	5,520.00	PL-300 2 X DWDM 4CH MUX/DMUX - CH44-47 WITH UPGRADE PORT
PL-DWDM-2M-4W-2C-2F-CH52-U	000PKT0142	$	5,520.00	PL-300 2 X DWDM 4CH MUX/DMUX - CH44-47 WITH UPGRADE PORT
PL-DWDM-2M-4W-2C-2F-CH55-U	000PKT0143	$	5,520.00	PL-300 2 X DWDM 4CH MUX/DMUX - CH56-59 WITH UPGRADE PORT
PL-DWDM-2M-8W-2C-2F	000PKT0157	$	5,983.00	PL-DWDM-2M-8W-2C-2F + PL-OADM-1-D-CH21 X 2
PL-FAN_UNIT	000PKT0101	$	322.00	(FU-1) PACKET LIGHT FAN UNIT
PL-OADM-1-D-CH21	000PKT0144	$	386.00	SINGLE CHANNEL OADM DWDM
PL-OS-OS	000PKT0127	$	105.00	SC-0S - OPTICAL SUPERVISORY CHANNEL
PL-OSW-1	000PKT0064	$	2,895.00	OPTICAL SWITCH
PL-PRE-32-EDFA	000PKT0145	$	6,948.00	EDFA PREAMP FULL-C-BAND MINIMUM INPUT POWER -36DBM
PL-PS1	0000000000	$	463.00	AC PSU
PL-PS2	0000000000	$	405.00	DC PSU
PL-RB-1	000PKT0164	$	621.00	RED BLUE BAND SPLITTER
PL-SC1H	000PKT0048	$	482.00	PACKETLIGHT OPTICAL SUPERVISORY CHANNEL 1310NM OSC CHANNEL (CWDM) 80KM
PL-SC-1S	000PKT0078	$	386.00	PACKETLIGHT - 1310NM OSC CHANNEL (CWDM) 40KM
PL-SC-2ER	000PKT0119	$	868.00	PACKETLIGHT-OSC CHANNEL 1510NM (DWDM) 140KM
PL-SC-2H	000PKT0124	$	753.00	PACKETLIGHT OPTICAL SUPERVISORY CHANNEL - 1510NM OSC CHANNEL (DWDM) 80KM
PL-SC-2S	000PKT0063	$	579.00	PACKETLIGHT 1510NM OSC CHANNEL (DWDM) 40KM
PL-SC-OS	000PKT0128	$	77.00	LOCAL CACADING OSC
PL-SL1	000PKT0005	$	116.00	PACKETLIGHT FC/FICON 4G 850NM MM SFP
PL-SL101	0000000000	$	637.00	10G XFP 1310NM SM 2KM
PL-SL102	0000000000	$	482.00	10G XFP 850NM MM 150M
PL-SL110	000PKT0126	$	733.00	PACKETLIGHT SERVICE SFP+ 8.5G 1310NM SM 10KM
PL-SL111	000PKT0097	$	309.00	SERVICE SFP+ 8.5G 850NM MM 150M
PL-SL112	000PKT0078	$	572.00	PACKETLIGHT - SERVICE SFP+ 10G 1310NM SM 10KM
PL-SL113	000PKT0062	$	347.00	PACKETLIGHT SFP+10G 850 NM MM 150M
PL-SL115	000PKT0118	$	1,826.00	PACKETLIGHT SERVICE SFP+ 10G 1550NM SM 40KM
PL-SL2	000PKT0006	$	96.00	PACKETLIGHT FC/FICON 1G/2G 850NM MM SFP
PL-SL3	000PKT0007	$	127.00	PACKETLIGHT ESCON 1310NM MM SFP
PL-SL4	000PKT0008	$	77.00	PACKETLIGHT GBE 850NM MM SFP
PL-SL5	000PKT0009	$	135.00	PACKETLIGHT 10/100/1000 BASE-T ETHERNET COPPER SFP
PL-SL7	000PKT0011	$	193.00	PACKETLIGHT OC-3/STM-1, OC-12/STM-4 & 1310NM, 2KM, SM SFP
PL-SL8	000PKT0012	$	270.00	PACKETLIGHT OC-48/STM-16/OTN 1310NM SM SFP
PLUG-DC/TB/GMUX	9514980000	$	20.00	48 VDC POWER CONNECTOR
PLUG-DC/TB-S	1273690000	$	8.00	BLK - 3 CONN TB - STRAIN REL - WITH SIDE MOUNTING SCREWS
PL-UL100CS-40-CH1470	000PKT0085	$	2,895.00	PACKELIGHT UPLINK XFP CWDM 10G MULTI RATE 40KM
PL-UL100CS-70-CH1470	000PKT0146	$	3,667.00	UPLINK XFP CWDM 10G MULTI RATE 70KM
PL-UL100-L-CH20	000PKT0129	$	2,894.00	UPLINK XFP 80KM CH20
PL-UL100-L-CH21	000PKT0130	$	2,894.00	UPLINK XFP 80KM CH21
PL-UL-100L-CH28	000PKT0116	$	2,894.00	PACKETLIGHT -UPLINK XFP 10G MULTI RATE 80KM
PL-UL-100L-CH29	000PKT0120	$	2,894.00	PACKETLIGHT - UPLINK XFP 10G MULTI RATE 80KM
PL-UL-100L-CH30	000PKT0117	$	2,894.00	PACKETLIGHT - UPLINK XFP 10G MULTI RATE 80KM
PL-UL-100L-CH31	000PKT0121	$	2,894.00	PACKETLIGHT - UPLINK XFP 10G MULTI RATE 80KM
PL-UL100L-CH34	000PKT0147	$	2,894.00	UPLINK XFP 10G MULTI RATE 80KM
PL-UL100-L-CH36	000PKT0131	$	2,894.00	UPLINK XFP 80KM CH36

PL-UL100-L-CH44	000PKT0132	$	2,894.00	UPLINK XFP 80KM CH44
PL-UL100-L-CH46	000PKT0133	$	2,894.00	UPLINK XFP 80KM CH46
PL-UL100-L-CH52	000PKT0134	$	2,894.00	UPLINK XFP 80KM CH52
PL-UL100L-CH56	000PKT0154	$	3,910.00	UPLINK XFP 80KM CH 56
PL-UL-100S-CH28	000PKT0068	$	2,316.00	PACKETLIGHT 10G XFP
PL-UL-100S-CH29	000PKT0069	$	2,316.00	PACKETLIGHT 10G XFP
PL-UL-100S-CH30	000PKT0070	$	2,316.00	PACKETLIGHT 10G XFP
PL-UL-100S-CH31	000PKT0077	$	2,316.00	PACKETLIGHT 10G XFP
PL-UL100-T-L-CHXX	000PKT0135	$	7,360.00	UPLINK XFP TUNABLE 80KM
PL-UL-CWDM-4G-FC-L-CHXX	000PKT0002	$	1,737.00	FC/FICON 4G CWDM 80KM UPLINK
PL-UL-CWDM-4G-FC-S-CH1610	000PKT0125	$	1,447.00	PACKETLIGHT FC/FICON 4G CWDM 40KM UPLINK
PL-UL-CWDM-L-CH1470	000PKT0110	$	811.00	PACKETLIGHT CWDM 80KM UPLINK SFP (LONG)
PL-UL-CWDM-L-CH1490	000PKT0111	$	811.00	PACKETLIGHT CWDM 80KM UPLINK SFP (LONG)
PL-UL-CWDM-L-CH1510	000PKT0112	$	811.00	PACKETLIGHT CWDM 80KM UPLINK SFP (LONG)
PL-UL-CWDM-L-CH1530	000PKT0115	$	811.00	PACKETLIGHT CWDM 80KM UPLINK SFP (LONG)
PL-UL-CWDM-S-CH1510	000PKT0113	$	656.00	PACKETLIGHT 1510 NM, CWDM 40KM UPLINK SFP (SHORT)
PL-UL-CWDM-S-CH1530	000PKT0114	$	656.00	PACKETLIGHT 1530 NM, CWDM 40KM UPLINK SFP (SHORT)
PL-UL-CWDM-S-CHXX	000PKT0004	$	656.00	PACKETLIGHT CWDM 40KM UPLINK SFP (SHORT)
PL-UL-DWDM-L-CH29	000PKT0122	$	1,544.00	PACKETLIGHT
PL-UL-DWDM-L-CH31	000PKT0123	$	1,544.00	PACKETLIGHT
PL-UL-DWDM-L-CH51	000PKT0076	$	1,544.00	PACKETLIGHT DWDM 40KM UPLINK SFP CH 51
PL-UL-TU-FC-80	000PKT0155	$	6,176.00	UPLINK XFP 80KM TUNABLE
PL-UL-TU-NB-80-CH21	000PKT0151	$	4,535.00	UPLINK XFP 80KM CH21 TUNABLE
PL-UL-TU-NB-80-CH41	000PKT0152	$	4,535.00	UPLINK XFP 80KM CH41 TUNABLE
PL-UL-TU-NB-80-CH56	000PKT0153	$	4,535.00	UPLINK XFP 80KM CH 56 TUNABLE
PL-VARIBLE_GAIN_23	000PKT0067	$	10,614.00	EDFAS 40 CHANNELS 23DBM OUTPUT POWER
POWER_ADAPTOR/DC	1271470000	$	13.00	AC PWR CORD OPEN END FOR DC CONN, (CABLE-004)
POWER_CABLE/AC	1260430000	$	11.00	AC CORD FOR USA
PS-115/12/300	0000000000	$	14.00	POWER SUPPLY ADAPTER 115 VAC TO 12 VDC 300 MILIAMPER
PS-230/8-8-5	1847000000	$	141.00	POWER SUPPLY FOR THE HBT AND LBT TESTERS
PS-AC/12/800	1840090000	$	33.00	POWER SUPPLY FOR TINYBRIDGE, SWITCHING
PS-AC/5/1200	1840080000	$	33.00	POWER SUPPLY 5 VDC, 1200 MA
PS-AC/5/3.3/2500	1267170000	$	110.00	POWER SUPPLY 5 VDC, 3.3, 2500NM
RADVIEW-PC	5760190000	$	9,680.00	CARRIER CLASS NETWORK MANAGEMENT SYSTEM
RADVIEW-PC/PM	5760200000	$	18,150.00	CARRIER CLASS NETWORK MANAGEMENT SYSTEM, PERFORMANCE MONITORING
RADVIEW-PC/PMSM/DEMO	5760230000	$	-	CARRIER CLASS NETWORK MANAGEMENT SYSTEM, PERFORMANCE MONITORING AND SERVICE MANAGER, DEMO LICENSE
RADVIEW-PC/UPG	5760280000	$	-	CARRIER CLASS NETWORK MANAGEMENT SYSTEM, UPGRADE VERSION
RADVIEW-UNIX/PMSM/R	5760100000	$	72,600.00	CARRIER CLASS NETWORK MANAGEMENT SYSTEM, PERFORMANCE MONITORING AND SERVICE MANAGER, REDUNDANT LICENSE FOR DUAL MANAGEMENT SYSTEM
RF/PS-TKD LAMBDA/DPP50-48	0000000000	$	150.00	PWR SUP FOR RADIFLOW - TKD-LAMBDA DPP50-48 (LAST BUY FROM DIGI-KEY)
RIC-155/48/FC13L	1870130000	$	2,435.00	10/100BASET TO STM-1/OC-3C NETWORK TERMINATION UNIT, -48 VDC, 1310 NM SINGLE MODE LASER, FC CONNECTOR
RIC-155/48/SC13L	1870070000	$	2,224.00	10/100BASET TO STM-1/OC-3C NETWORK TERMINATION UNIT, -48 VDC, 1310 NM SINGLE MODE LASER, SC CONNECTOR
RIC-155/48/SC13MM	1870140000	$	2,309.00	10/100BASET TO STM-1/OC-3C NETWORK TERMINATION UNIT, -48 VDC, 1310 NM MULTIMODE LED, SC CONNECTOR
RIC-155/48/SC15LH	1870200000	$	3,004.00	10/100BASET TO STM-1/OC-3C NETWORK TERMINATION UNIT, -48 VDC, 1550 NM, SINGLE MODE, LONG-HAUL LASER, SC CONNECTOR
RIC-155/48/ST13L	1870120000	$	2,435.00	10/100BASET TO STM-1/OC-3C NETWORK TERMINATION UNIT, -48 VDC, 1310 NM SINGLE MODE LASER, ST CONNECTOR
RIC-155/48/ST13MM	1870190000	$	2,309.00	10/100BASET TO STM-1/OC-3C NETWORK TERMINATION UNIT, -48 VDC, 1310 NM MULTIMODE LED, ST CONNECTOR
RIC-155/AC/BNC	1870040000	$	1,898.00	10/100BASET TO STM-1/OC-3C NETWORK TERMINATION UNIT, 100-240 VAC, 10BASE2 BNC ETHERNET MANAGEMENT PORT
RIC-155/AC/FC13L	1870100000	$	2,309.00	10/100BASET TO STM-1/OC-3C NETWORK TERMINATION UNIT, 100-240 VAC, 1310 NM SINGLE MODE LASER, FC CONNECTOR
RIC-155/AC/SC13L	1870020000	$	2,108.00	10/100BASET TO STM-1/OC-3C NETWORK TERMINATION UNIT, 100-240 VAC, 1310 NM SINGLE MODE LASER, SC CONNECTOR
RIC-155/AC/SC13MM	1870150000	$	2,182.00	10/100BASET TO STM-1/OC-3C NETWORK TERMINATION UNIT, 100-240 VAC, 1310 NM MULTIMODE LED, SC CONNECTOR
RIC-155/AC/ST13L	1870110000	$	2,309.00	10/100BASET TO STM-1/OC-3C NETWORK TERMINATION UNIT, 100-240 VAC, 1310 NM SINGLE MODE LASER, ST CONNECTOR
RIC-155/AC/ST13MM	1870220000	$	2,182.00	10/100BASET TO STM-1/OC-3C NETWORK TERMINATION UNIT, 100-240 VAC, 1310 NM MULTIMODE LED, ST CONNECTOR
RIC-155GE/48/SC/13L/13L/ALM	3560340000	$	3,682.00	GIGABIT/FAST ETHERNET TO STM-1/OC-3C NETWORK TERMINATION UNIT
				GIGABIT ETHERNET TO STM-1/OC-3C NETWORK TERMINATION UNIT, ¿48 VDC; STM-1/OC-3 SC CONNECTOR; OPTICAL INTERFACE FIBER OPTIC 1310 MULTIMODE INTERFACE; GIGABIT
RIC-155GE/48/SC13/85	3560190000	$	3,100.00	ETHERNET INTERFACE 850 NM MULTIMODE, LC CONNECTOR
RIC-155GE/48/SC13/UTP	3560290000	$	3,226.00	GIGABIT FAST ETH. TO STM-1/OC-3 CONV.,48,SC13,UTP
RIC-155GE/48/SC13L/13L	3560180000	$	3,361.00	GIGABIT AND FAST ETHER TO STM-1/OC-3 1310NM,13L
				GIGABIT ETHERNET TO STM-1/OC-3C NETWORK TERMINATION UNIT, ¿48 VDC; STM-1/OC-3 SC CONNECTOR; OPTICAL INTERFACE FIBER OPTIC 1310 SINGLE MODE LASER INTERFACE;
RIC-155GE/48/SC13L/85	3560200000	$	3,289.00	GIGABIT ETHERNET INTERFACE 850 NM MULTIMODE, LC CONNECTOR
RIC-155GE/48/SC13L/UTP	3560120000	$	3,119.00	GIGABIT ETHERNET TO STM-1/OC-3C NETWORK TERMINATION UNIT, ¿48 VDC; STM-1/OC-3 SC CONNECTOR, SINGLE MODE 1310 LASER FIBER OPTIC INTERFACE; 1000BASET
RIC-155GE/48/SC13L/UTP/ALM	3560220000	$	3,416.00	GIGABIT FAST ETH STM-1/OC-3 CONV,48,SC13L/UTP/ALM
RIC-155GE/48/SC13LH/UTP	3560170000	$	3,669.00	GIGABIT FAST ETH.TO STM-1/OC-3 CONV.,48,SC13LH,UTP
RIC-155GE/48R/SC/13L/13L/ALM	3560940000	$	4,630.00	GIGABIT/FAST ETHERNET TO STM-1/OC-3C NETWORK TERMINATION UNIT, RED. -48 VDC PS, SC CONN, 1310 NM SM LASER, GBE, 1310 NM LASER, SM, LC CONN, ALARM RELAY PORT
				GIGABIT/FAST ETHERNET TO STM-1/OC-3C NETWORK TERMINATION UNIT, REDUNDANT -48 VDC POWER SUPPLY, SC CONNECTOR, 1310 NM SINGLE MODE LASER, GBE, 1310 NM
RIC-155GE/48R/SC/13L/13L/N3	3560690000	$	5,389.00	LASER, SINGLE MODE, LC CONNECTOR, NEBS LEVEL 3 COMPLIANT
RIC-155GE/48R/SC/13L/UTP/N3	3560760000	$	5,124.00	GIGABIT/FAST ETHERNET TO STM-1/OC-3 NTU

RIC-155GE/48R/SC13L/13L	3560500000	$	4,227.00	GIGABIT/FAST ETHERNET TO STM-1/OC-3C NETWORK TERMINATION UNIT
RIC-155GE/48R/SC13L/85	3560330000	$	4,238.00	GIGABIT FAST ETH. TO STM-1/OC-3 CONV.,48R,SC13L,85
RIC-155GE/48R/SC13L/UTP	3560440000	$	3,985.00	GIGABIT/FAST ETHERNET TO STM-1/OC3 NETWORK TERMINATION UNIT
RIC-155GE/AC/SC/13L/13L/ALM	3560360000	$	3,491.00	GIGABIT/FAST ETHERNET TO STM-1/OC-3C NETWORK TERMINATION UNIT
				GIGABIT ETHERNET TO STM-1/OC-3C NETWORK TERMINATION UNIT, 100-240 VAC; STM-1/OC-3 SC CONNECTOR; OPTICAL INTERFACE FIBER OPTIC 1310 MULTIMODE INTERFACE;
RIC-155GE/AC/SC13/85	3560070000	$	2,910.00	GIGABIT ETHERNET INTERFACE 850 NM MULTIMODE, LC CONNECTOR
RIC-155GE/AC/SC13/UTP	3560160000	$	3,036.00	GB AND FAST ETHE TO STM-1/OC-3 CONV,A,1310NM,UTP
RIC-155GE/AC/SC13L/13L	3560240000	$	3,491.00	GIGABIT AND FAST ETHERNET TO STM-1/OC-3 CONVERTER
				GIGABIT ETHERNET TO STM-1/OC-3C NETWORK TERMINATION UNIT, 100-240 VAC; STM-1/OC-3 SC CONNECTOR; OPTICAL INTERFACE FIBER OPTIC 1310 MULTIMODE LASER
RIC-155GE/AC/SC13L/85	3560060000	$	2,830.00	INTERFACE; GIGABIT ETHERNET INTERFACE LC CONNECTOR, 850 NM MULTIMODE
RIC-155GE/AC/SC13L/UTP	3560080000	$	2,945.00	GIGABIT ETHERNET TO STM-1/OC-3C NETWORK TERMINATION UNIT, 100-240 VAC, STM-1/OC-3 SC CONNECTOR, FIBER OPTIC 1310 MULTIMODE INTERFACE LASER; 1000BASET
RIC-155GE/AC/SC13L/UTP/ALM	3560320000	$	3,226.00	GIGABIT FAST ETH.TO STM-1/OC-3 CONV.,AC,SC13L,UTP
				GIGABIT ETHERNET TO STM-1/OC-3C NETWORK TERMINATION UNIT, 100-240 VAC, STM-1/OC-3 SC CONNECTOR, FIBER OPTIC 1310 SINGLE MODE LONG HAUL LASER INTERFACE;
RIC-155GE/AC/SC13LH/85	3560130000	$	3,353.00	GIGABIT ETHERNET INTERFACE LC CONNECTOR, 850 NM MULTIMODE
				GIGABIT ETHERNET TO STM-1/OC-3C NETWORK TERMINATION UNIT, 100-240 VAC, STM-1/OC-3 SC CONNECTOR, FIBER OPTIC 1310 SINGLE MODE LONG HAUL LASER INTERFACE;
RIC-155GE/AC/SC13LH/UTP	3560140000	$	3,479.00	GIGABIT ETHERNET INTERFACE 1000BASET
				GIGABIT/FAST ETHERNET TO STM-1/OC-3C NETWORK TERMINATION UNIT, 100-240 VAC, ST CONNECTOR, 1310 NM SINGLE MODE LASER, BUILT-IN 10/100/1000BASET, RJ-45
RIC-155GE/AC/ST/13L/UTP	3560780000	$	3,226.00	CONNECTOR
RIC-155GE/AC/ST13/UTP	3560410000	$	2,772.00	GIGABIT/FAST ETHERNET TO STM-1/OC-3C NETWORK TERMINATION UNIT
RIC-155GE/AC/ST13L/85	3560550000	$	3,100.00	GIGABIT/FAST ETHERNET TO STM-1/OC-3C NETWORK TERMINATION UNIT
				GIGABIT/FAST ETHERNET TO STM-1/OC-3C NETWORK TERMINATION UNIT, REDUNDANT AC POWER SUPPLY, SC CONNECTOR, 1310 NM MULTIMODE LED, GBE, 1310 NM LASER,
RIC-155GE/ACR/SC/13/13L	3560610000	$	4,441.00	SINGLE MODE, LC CONNECTOR
RIC-155GE/ACR/SC13L/13L	3571170000	$	4,630.00	GIGABIT/FAST ETHERNET TO STM-1/OC-3C NETWORK TERMINATION UNIT
				GIGABIT ETHERNET TO STM-1/OC-3C NETWORK TERMINATION UNIT, REDUNDANT 100-240 VAC POWER SUPPLY, STM-1/OC-3 SC CONNECTOR; GIGABIT ETHERNET INTERFACE LC
RIC-155GE/ACR/SC13L/85	3560370000	$	4,238.00	CONNECTOR, 850 NM MULTIMODE
				GIGABIT ETHERNET TO STM-1/OC-3C NETWORK TERMINATION UNIT, REDUNDANT 100-240 VAC POWER SUPPLY, STM-1/OC-3 SC CONNECTOR; GIGABIT ETHERNET INTERFACE
RIC-155GE/ACR/SC13L/UTP	3560380000	$	3,985.00	GIGABIT ETHERNET INTERFACE 1000BASET
RIC-155L/NULL/NULL	1870340000	$	2,048.00	GIGABIT ETHERNET OVER STM-1/OC-3 NTU, EMPTY SFP SLOT, EMPTY SFP SLOT
RIC-622GE/48/NULL/UTP	4750160000	$	7,224.00	GIGABIT ETHERNET OVER STM-4/OC12C, 48, NULL,UTP
RIC-622GE/48R/NULL/13L	4750060000	$	7,253.00	GIGABIT ETHERNET OVER STM-4/OC12C, 48, R, NULL,13L
RIC-622GE/AC/R/NULL/13L	4750050000	$	7,253.00	GIGABIT ETHERNET OVER STM-4/OC12C, AC, R, NULL,13L
RIC-622GE/AC/R/NULL/85	4750010000	$	7,868.00	GIGABIT ETHERNET OVER STM-4/OC12C, AC, R, NULL,85
RIC-622GE/AC/R/NULL/UTP	4750030000	$	7,679.00	GIGABIT ETHERNET OVER STM-4/OC12C, AC, R, NULL,UTP
				GIGABIT ETHERNET OVER STM-4/OC-12C NETWORK TERMINATION UNIT , REDUNDANT AC POWER SUPPLY, PLUGGABLE TRANSCEIVER: STM 4, 1310 NM, SINGLE MODE, LASER, 15 KM
RIC-622GE/AC/R/SFP-15/85	4750150000	$	7,275.00	(9.3 MI), GBE, 850 NM, MULTIMODE, LC CONNECTOR
RIC-622GE/AC/SFP-15/13L	4750170000	$	7,589.00	GIGABIT ETHERNET OVER STM-4/OC12C,1310NM, SINGLE M
RIC-E1/24/UTP/QN	2690590000	$	975.00	E1 INTERFACE CONVERTER, 24 VDC, VLAN SUPPORT, UTP INTERFACE, 10/100BASET
RIC-E1/48/UTP/QN	2690410000	$	1,326.00	E1 INTERFACE CONVERTER, ¿48 VDC, VLAN SUPPORT, UTP INTERFACE, 10/100BASET
RIC-E1/48/V35	2690040000	$	936.00	E1 INTERFACE CONVERTER, ¿48 VDC, V.35 DATA INTERFACE
RIC-E1/AC/UTP/QN	2690390000	$	1,171.00	E1 INTERFACE CONVERTER, 100-240 VAC, VLAN SUPPORT, UTP INTERFACE, 10/100BASET
RIC-E1/AC/V35	2690130000	$	658.00	E1 INTERFACE CONVERTER, 100-240 VAC, V.35 DATA INTERFACE
RIC-E1/AC/X21	2690240000	$	780.00	E1 INTERFACE CONVERTER, 100-240 VAC, X.21 DATA INTERFACE
RICI-16/16E1/PACK3	2540370000	$	3,741.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 16 E1 PORTS, SW LICENSE FOR 16 E1/T1 LINKS
				ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 16 E1 PORTS, SW LICENSE FOR 16 E1/T1 LINKS, EVPL FUNCTIONALITY, REDUNDANT POWER SUPPLY, UNBALANCED E1
RICI-16/16E1/PACK3/EVPL/R/U	2543190000	$	5,448.00	INTERFACE
RICI-16/16E1/PACK3/R	2541050000	$	4,167.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 16 E1 PORTS, SW LICENSE FOR 16 E1/T1 LINKS, REDUNDANT POWER SUPPLY
RICI-16/16E1/PACK3/R/U	2541530000	$	4,337.00	THERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 16 E1 PORTS, SW LICENSE FOR 16 E1/T1 LINKS, REDUNDANT POWER SUPPLY, UNBALANCED E1 INTERFACE
RICI-16/16T1	2540390000	$	1,560.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 16 T1 PORTS
RICI-16/16T1/2T3/EVPL	2541410000	$	3,795.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 16 T1 PORTS, 2 T3 PORTS, EVPL FUNCTIONALITY
RICI-16/16T1/2T3/EVPL/H	2541500000	$	4,294.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 16 T1 PORTS, 2 T3 PORTS, EVPL FUNCTIONALITY, HARDENED ENCLOSURE
RICI-16/16T1/2T3/EVPL/R/H	2541630000	$	4,611.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 16 T1 PORTS, 2 T3 PORTS, EVPL FUNCTIONALITY, REDUNDANT POWER SUPPLY, HARDENED ENCLOSURE
RICI-16/16T1/2T3/PACK3	2541360000	$	4,036.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 16 T1 PORTS, 2 T3 PORTS, SW LICENSE FOR 16 E1/T1 LINKS
RICI-16/16T1/2T3/PACK3/EVPL/H	2541450000	$	5,357.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 16 T1 PORTS, 2 T3 PORTS, SW LICENSE FOR 16 E1/T1 LINKS, EVPL FUNCTIONALITY, HARDENED ENCLOSURE
				ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 16 T1 PORTS, 2 T3 PORTS, SW LICENSE FOR 16 E1/T1 LINKS, EVPL FUNCTIONALITY, REDUNDANT POWER SUPPLY,
RICI-16/16T1/2T3/PACK3/EVPL/R/H	2541710000	$	5,674.00	HARDENED ENCLOSURE
RICI-16/16T1/2T3/PACK3/R	2541580000	$	4,352.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 16 T1 PORTS, 2 T3 PORTS, SW LICENSE FOR 16 E1/T1 LINKS, REDUNDANT POWER SUPPLY
RICI-16/16T1/2T3/R	2541620000	$	3,289.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 16 T1 PORTS, 2 T3 PORTS, REDUNDANT POWER SUPPLY
RICI-16/16T1/PACK1	2540410000	$	2,079.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 16 T1 PORTS, SW LICENSE 8 E1/T1 LINKS
RICI-16/16T1/PACK2/R	2541110000	$	2,715.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 16 T1 PORTS, SW LICENSE FOR 12 E1/T1 LINKS, REDUNDANT POWER SUPPLY
RICI-16/16T1/PACK3	2540450000	$	2,771.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 16 T1 PORTS, SW LICENSE FOR 16 E1/T1 LINKS
RICI-16/16T1/PACK3/EVPL	2540460000	$	3,593.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 16 T1 PORTS, SW LICENSE FOR 16 E1/T1 LINKS, EVPL FUNCTIONALITY
				ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 16 T1 PORTS, SW LICENSE FOR 16 E1/T1 LINKS, EVPL FUNCTIONALITY, REDUNDANT POWER SUPPLY, HARDENED
RICI-16/16T1/PACK3/EVPL/R/H	2542010000	$	4,409.00	ENCLOSURE
RICI-16/16T1/PACK3/R	2541130000	$	2,818.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 16 T1 PORTS, SW LICENSE FOR 16 E1/T1 LINKS, REDUNDANT POWER SUPPLY

RICI-16/16T1/PACK3/R/H	2542130000	$	3,586.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 16 T1 PORTS, SW LICENSE FOR 16 E1/T1 LINKS, REDUNDANT POWER SUPPLY, HARDENED ENCLOSURE
RICI-16/16T1/PACK3/SFP-1/R	2540490000	$	3,207.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 16 T1 PORTS, SW LICENSE FOR 16 E1/T1 LINKS, FAST ETHERNET/STM-1, 1310 NM, MULTIMODE, LED, 2 KM (1.2 MI), REDUNDANT POWER SUPPLY
RICI-16/16T1/R	2541140000	$	1,848.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 16 T1 PORTS, REDUNDANT POWER SUPPLY
RICI-16/16T1/R/H	2543050000	$	2,523.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 16 T1 PORTS, REDUNDANT POWER SUPPLY, HARDENED ENCLOSURE
RICI-16/2T3	2541340000	$	2,391.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 2 T3 PORTS
RICI-16/2T3/EVPL	2541470000	$	3,213.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 2 T3 PORTS, EVPL FUNCTIONALITY
RICI-16/2T3/NULL	2542800000	$	2,391.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 2 T3 PORTS, EMPTY SFP SLOT
RICI-16/2T3/NULL/R	2542810000	$	2,707.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 2 T3 PORTS, EMPTY SFP SLOT, REDUNDANT POWER SUPPLY
RICI-16/2T3/R	2541660000	$	2,707.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 2 T3 PORTS, REDUNDANT POWER SUPPLY
RICI-16/4E1	2540470000	$	2,033.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 4 E1 PORTS
RICI-16/4E1/R	2540790000	$	2,245.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 4 E1 PORTS, REDUNDANT POWER SUPPLY
RICI-16/4T1	2540690000	$	1,374.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 4 T1 PORTS
RICI-16/4T1/EVPL	2540700000	$	1,948.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 4 T1 PORTS, EVPL FUNCTIONALITY
RICI-16/4T1/NULL	2542330000	$	1,506.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 4 T1 PORTS
RICI-16/4T1/NULL/R	2542350000	$	1,822.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 4 T1 PORTS, REDUNDANT POWER SUPPLY
RICI-16/4T1/NULL/R/H	2541320000	$	2,321.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 4 T1 PORTS, REDUNDANT POWER SUPPLY, HARDENED ENCLOSURE
RICI-16/4T1/R	2542090000	$	1,822.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 4 T1 PORTS, REDUNDANT POWER SUPPLY
RICI-16/4T1/R/H	2541460000	$	2,321.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 4 T1 PORTS, REDUNDANT POWER SUPPLY, HARDENED ENCLOSURE
RICI-16/8E1	2540710000	$	2,713.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 8 E1 PORTS
RICI-16/8E1/EVPL/R	2542950000	$	4,269.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 8 E1 PORTS, EVPL FUNCTIONALITY, REDUNDANT POWER SUPPLY
RICI-16/8E1/R	2541720000	$	3,399.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 8 E1 PORTS, REDUNDANT POWER SUPPLY
RICI-16/8T1	2540730000	$	2,010.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 8 T1 PORTS
RICI-16/8T1/EVPL	2540740000	$	2,847.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 8 T1 PORTS, EVPL FUNCTIONALITY
RICI-16/8T1/R	2542120000	$	2,518.00	ETHERNET OVER BONDED PDH NETWORK TERMINATION UNIT, 8 T1 PORTS, REDUNDANT POWER SUPPLY
RICI-16-EVPL	4980740000	$	751.00	SW LICENSE TO ACTIVATE EVPL SERVICES USING ETHERNET FLOWS
RICI-16-PACK2	4980560000	$	866.00	SW LICENSE TO ACTIVATE 12 E1 PORTS
RICI-16-PACK3	4980550000	$	1,040.00	SW LICENSE TO ACTIVATE 16 E1 PORTS
RICI-16-PS	2541190000	$	317.00	RICI-16 WIDE-RANGE POWER SUPPLY MODULE
RICI-4E1	4670090000	$	1,778.00	FAST ETHERNET TO 4 E1 NTU
RICI-4E1/24/H	4670150000	$	2,322.00	FAST ETHERNET TO FOUR E1 CONVERTER,24 VDC,TEMPERATURE HARDENED, -30 TO 65 CELSIUS
RICI-4E1/H	4670260000	$	2,322.00	FAST ETHERNET TO FOUR E1 CONVERTER,TEMPERATURE HARDENED, -30 TO 65 CELSIUS
RICI-4E1/NULL/NULL	4670140000	$	1,947.00	FAST ETHERNET TO 4 E1 NTU, EMPTY SFP SLOT, EMPTY SFP SLOT
RICI-4E1/U	4670110000	$	1,933.00	FAST ETHERNET TO 4 E1 NTU, E1 UNBALANCED
RICI-4T1	4670120000	$	1,317.00	FAST ETHERNET TO 4 T1 NTU
RICI-4T1/H	4670200000	$	1,720.00	FAST ETHERNET TO FOUR T1 CONVERTER,TEMPERATURE HARDENED, -30 TO 65 CELSIUS
RICI-4T1/NULL/NULL	4670310000	$	1,442.00	FAST ETHERNET TO 4 T1 NTU, EMPTY SFP SLOT, EMPTY SFP SLOT
RICI-8E1	4560200000	$	2,637.00	FAST ETHERNET TO 8 E1 NTU
RICI-8E1/NULL/NULL	4560260000	$	2,886.00	FAST ETHERNET TO 8 E1 CONVERTER
RICI-8E1/U	4560220000	$	2,792.00	FAST ETHERNET TO 8 E1 NTU, E1 UNBALANCED
RICI-8E1/U/NULL/NULL	4560440000	$	3,058.00	FAST ETHERNET TO 8 E1 CONVERTER,E1 UNBALANCE
RICI-8E1/U/SFP-1/SFP-1/H	4560350000	$	3,946.00	FAST ETHERNET TO 8 E1 NTU, E1 UNBALANCED, PLUGGABLE TRANSCEIVER: FAST ETHERNET/STM-1, LC3 CONNECTOR, 1310 NM MULTIMODE, 100BASEFX, LED, 2 KM, PLUGGABLE TRANSCEIVER: FAST ETHERNET/STM-1, LC3 CONNECTOR, 1310 NM MULTIMODE, 100BASEFX, LED, 2 KM, HARDENED ENCLOSURE
RICI-8T1	4560230000	$	1,952.00	FAST ETHERNET TO 8 T1 NTU
RICI-8T1/24/H	4560280000	$	2,555.00	FAST ETHERNET TO 8 T1 NTU, 24 VDC, HARDENED ENCLOSURE
RICI-8T1/24/NULL/NULL/H	4560290000	$	2,555.00	FAST ETHERNET TO 8 T1 NTU, 24 VDC, EMPTY SFP SLOT, EMPTY SFP SLOT, HARDENED ENCLOSURE
RICI-8T1/H	4560250000	$	2,555.00	FAST ETHERNET TO EIGHT T1 CONVERTER,TEMPERATURE HARDENED, -30 TO 65 CELSIUS
RICI-8T1/NULL/NULL	4560360000	$	2,138.00	FAST ETHERNET TO 8 T1 NTU, EMPTY SFP SLOT, EMPTY SFP SLOT
RICI-E1	3850170000	$	912.00	FAST ETHERNET OVER E1 INTELLIGENT CONVERTER
RICI-E1/24	3850220000	$	1,956.00	FAST ETHERNET OVER E1 INTELLIGENT CONVERTER, 24 VDC
RICI-E1/24/U	3850190000	$	1,981.00	FAST ETHERNET OVER E1 INTELLIGENT CONVERTER, 24 VDC, E1 UNBALANCED
RICI-E1/H	3850200000	$	1,077.00	FAST ETHERNET OVER E1 INTELLIGENT CONVERTER, HARDENED ENCLOSURE
RICI-E1/U	3850180000	$	936.00	FAST ETHERNET OVER E1 INTELLIGENT CONVERTER, E1 UNBALANCED
RICI-E1/U/H	3850210000	$	1,102.00	FAST ETHERNET OVER E1 INTELLIGENT CONVERTER, E1 UNBALANCED, HARDENED ENCLOSURE
RICI-E3	4000350000	$	1,763.00	FAST ETHERNET OVER E3 INTELLIGENT NTU
RICI-SE/V35	4850020000	$	912.00	FAST ETHERNET OVER SERIAL LINE INTELLIGENT NETWORK TERMINATION UNIT, WIDE-RANGE POWER SUPPLY (100-240 VAC OR 48 VDC), V.35 SERIAL INTERFACE
RICI-SE/X21	4850010000	$	1,000.00	FAST ETHERNET OVER SERIAL LINE INTELLIGENT NETWORK TERMINATION UNIT, WIDE-RANGE POWER SUPPLY (100-240 VAC OR 48 VDC), X.21 SERIAL INTERFACE
RICI-T1	2750020000	$	676.00	FAST ETHERNET OVER T1 INTELLIGENT CONVERTER
RICI-T1/24	2750030000	$	899.00	FAST ETHERNET OVER T1 INTELLIGENT CONVERTER, 24 VDC
RICI-T1/H	2750050000	$	816.00	MANAGED ETHERNET TO T1 CONVERTER,EXTENDED TEMPARTURE RANGE -18 TO +50
RICI-T1_SAV	2750060000	$	644.00	FAST ETHERNET OVER T1 INTELLIGENT CONVERTER FOR SAV
RICI-T3	3880070000	$	1,305.00	FAST ETHERNET OVER T3 INTELLIGENT NTU
RICI-T3/H	3880090000	$	1,708.00	FAST ETHERNET OVER T3 INTELLIGENT NTU, HARDENED ENCLOSURE
RIC-LC/16E1/4UTP	4110020000	$	1,265.00	ETHERNET TO MULTIPLE PDH LINKS CONVERTER, 16 E1 PORTS, 4 FE UTP PORTS 10/100/1000BASET
RIC-LC/4E1/U/4UTP	4110060000	$	747.00	ETHERNET TO MULTIPLE PDH LINK CONVERTER, 4 E1 PORTS, UNBALANCED E1 INTERFACE, 4 FE UTP PORTS 10/100/1000BASET
RIC-LC/8E1/4UTP	4110080000	$	1,029.00	ETHERNET TO MULTIPLE PDH LINK CONVERTER, 8 E1 PORTS, 4 FE UTP PORTS 10/100/1000BASET
RIC-LC/E1/4UTP	4110160000	$	520.00	ETHERNET TO MULTIPLE PDH LINKS CONVERTER, E1, FOUR

RIC-T1/24/UTP/QN	2690550000	$	1,076.00	T1 INTERFACE CONVERTER, 24 VDC, FOR IR-ETH/V MODULE
RIC-T1/48/UTP/QN	2690430000	$	893.00	T1 INTERFACE CONVERTER, ¿48 VDC, FOR IR-ETH/V MODULE
RIC-T1/AC/530	2690170000	$	578.00	ETHERNET TO T1 CONVERTER, 100-240 VAC, RS-530 DATA INTERFACE
RIC-T1/AC/UTP/QN	2690380000	$	893.00	T1 INTERFACE CONVERTER, 100-240 VAC, FOR IR-ETH/V MODULE
RIC-T1/AC/V35	2690370000	$	578.00	T1 INTERFACE CONVERTER, 100-240 VAC, V.35 DATA INTERFACE
RIC-T1/R/UTP/QN	1690060000	$	728.00	T1 INTERFACE CONVERTER, CARD VERSION FOR FOR ASM-MN-214 CHASSIS, VLAN SUPPORT, UTP INTERFACE, 10/100BASET
RIC-T1/R/V35	1690070000	$	557.00	T1 INTERFACE CONVERTER, V.35 TO T1 CONVERTER MODULE FOR ASM-MN-214 CHASSIS, V.35 DATA INTERFACE
RING2000/48/72/115	7600720000	$	1,265.00	STANDALONE POWER SUPPLY UNIT, UP TO 60 VOICE CHANNELS, -48 VDC, 72 VDC FEED, 115 VAC
RING2000/48/72/230	7600730000	$	1,634.00	STANDALONE POWER SUPPLY UNIT, UP TO 60 VOICE CHANNELS, -48 VDC, 72 VDC FEED, 230 VAC
RING2000/48/72/48	7600740000	$	1,265.00	STANDALONE POWER SUPPLY UNIT, UP TO 60 VOICE CHANNELS, -48 VDC, 72 VDC FEED, -48 VDC
RING2100R/24	7645570000	$	1,012.00	RINGER-2000R, -24 VDC INPUT
RING2100R/48	7645580000	$	1,012.00	RINGER-2000R, -48 VDC INPUT
RING2100R/AC	7645560000	$	605.00	POWER SUPPLY MODULE FOR MEGAPLEX-2100, 4U RINGER MODULE, 100-240 VAC INPUT
RING-2200-RM	7649730000	$	61.00	RINGER-2200 RACK MOUNT KIT
RINGER-2100R/48	7645580000	$	1,133.00	RINGER-2000R, -48 VDC INPUT
RINGER-2100R/AC	7645560000	$	678.00	POWER SUPPLY MODULE FOR MEGAPLEX-2100, 4U RINGER MODULE, 100-240 VAC INPUT
RINGER-2200N/110	7649860000	$	1,815.00	STANDALONE POWER SUPPLY, 1U RINGER, 110 VAC
RINGER-2200N/230	7649850000	$	2,451.00	STANDALONE POWER SUPPLY UNIT, 1U RINGER, 230 VAC INPUT, TB CONNECTOR
RJ45-LBP	0000000000	$	4.00	RJ45 LOOPBACK CONNECTOR
RM-1/NEW	1900110000	$	34.00	19" R.M. KIT FOR STM-4/8,APD-8,SPD-T1
RM-101	1900500000	$	44.00	RACK MOUNT KIT FOR AMC - 101
RM-11	1900140000	$	34.00	19" R.M. KIT FOR FEB-4
RM-14	1900200000	$	145.00	19" RACK MOUNT FOR 14 MINIATURE MUXES MODULES
RM-16	1900040000	$	145.00	19" RACK MOUNT KIT FOR 16 SRM-6 MODEMS
RM-17	1900160000	$	34.00	19" R.M. KIT FOR ASM-24,HTU,SMCD,MTM-15
RM-19	1900170000	$	34.00	19" R.M. KIT FOR MBE-1/8,TRE-1/8
RM-2000	1900600000	$	61.00	RM KIT, GMUX-2000
RM-21	1900190000	$	34.00	RM KIT FOR ARC-101
RM-24	1900210000	$	34.00	RM KIT FOR AMC-102
RM-25	1900230000	$	34.00	RM KIT FOR 1 OR 2 NEW LOOK STYLE METAL BOXES 8.5"
RM-27	1900240000	$	36.00	17 INCH RACK MOUNT KIT FOR IPMUX-16
RM-28	1900360000	$	70.00	RACK MOUNT KIT
RM-29	1900300000	$	48.00	RM KIT FOR RIC-E1, RIC-T1
RM-3/NEW	1900120000	$	34.00	19" R.M. KIT FOR SPD-64,ACD-1,FCDS,VOMUX4,UCI
RM-33	1900400000	$	73.00	19" RM KIT FOR NEW PLASTIC BOX LA-110, ASMI-52
RM-33-2	1900640000	$	36.00	19" RM KIT
RM-34	1900490000	$	31.00	RM HW FOR 19" 1U PRODUCTS
RM-34/ETSI	1900570000	$	34.00	RM KIT FOR 19U 1" PRODUCTS. ETSI.
RM-34-23	1900270000	$	55.00	RACK MOUNT FOR 23" RACK
RM-35	1900530000	$	48.00	RM HW FOR 19? 1U PRODUCTS
RM-35/P1	1900540000	$	24.00	RM KIT FOR 1/2 19", SINGLE DEVICE PER SHELF
RM-35/P2	1900550000	$	48.00	RM KIT FOR 1/2 19", TWO DEVICES PER SHELF
RM-36	1900480000	$	36.00	RM KIT FOR LRS-52/E1-ETSI OR ANSI-TYPE
RM-37	1900590000	$	48.00	19" R.M. FOR NEW LOOK OPTIMUX XL
RM-42	1900740000	$	86.00	RACK MOUNT KIT FOR IPMUX-155L E1 VERSION & MP-4104 CHASSIS
RM-43-19	1900090000	$	97.00	RACK MOUNT KIT FOR SPH, INCLUDING CABLE TREE, ANSI
RM-7/NEW	1900130000	$	34.00	19" R.M. KIT FOR FLM-3,HSM-4,RSD,STM-24,APS
RM-9	1900060000	$	34.00	RM KIT FOR NEW ASMS,LDV-2,FOM-T1,KILOMUX-20
RM-ACE-2002/P2	1900430000	$	31.00	RACK MOUNT KIT FOR ACE-2002
RM-ACE-2002E	1900440000	$	31.00	RACK MOUNT KIT FOR ACE-2002E
RM-ACE-202	1900410000	$	31.00	RACK MOUNT KIT FOR ACE-202
RM-ADPTR/19-23/1U	0000000000	$	33.00	RACK MOUNT ADAPTOR 19-23, 1U
RM-ADPTR/19-23/2U	000DAT0042	$	42.00	RACK MOUNT ADAPTOR 19-23, 2U
RM-DXC10A	1380020000	$	34.00	19" RACK MOUNT KIT FOR DXC-10A
RM-DXC30	1380030000	$	34.00	19" RACK MOUNT KIT FOR DXC-30
RM-DXCFT	1380080000	$	34.00	19'' RACK MOUNT KIT FOR DXC FAN TRAY
RM-LRS-24F-MN	1900580000	$	43.00	RACK MOUNT FOR LRS-24F
RM-MP-2104-MN	1900280000	$	24.00	RACK MOUNT FOR MP-2104
RM-MP-MX-23/19	1900370000	$	61.00	COMBINED 19"/23" RACK MOUNT FOR MP2100/MX3000
RM-VMUX-2100	1900510000	$	36.00	19" RACK MOUNT KIT FOR VMUX-2100
RM-VMUX-2100/23	1900700000	$	61.00	RACK MOUNT KIT FOR VMUX-2100, 23"
RM-VMUX-310	1900710000	$	48.00	RACK MOUNT KIT FOR VMUX-310
ROC-19	6810020000	$	2,244.00	RUGGEDIZED OUTDOOR CABINET FOR 19" UNIT, 3 POINT D
RSD-10	5530200000	$	1,380.00	1U HIGH 8-CHANNEL(19.2 KBPS) DIGITAL SHARING DEVICE, 115-230 VAC
RSD-10/48	5530310000	$	1,754.00	1U HIGH 8-CHANNEL(19.2 KBPS) DIGITAL SHARING DEVICE, -48 VDC
RV-LIC/1-CLIENT	2170020000	$	1,210.00	RADVIEW LICENSE, LICENSE FOR 1 ADDITIONAL CLIENT
RV-LIC/1-CLIENT/R	2170260000	$	1,815.00	RADVIEW LICENSE, LICENSE FOR 1 ADDITIONAL CLIENT, REDUNDANT LICENSE FOR DUAL MANAGEMENT SYSTEM
RV-LIC/ENW	2170360000	$	7.00	RADVIEW LICENSE, 1 ENW POINT

RV-LIC/ENW/R	2170370000	$	9.00	RADVIEW LICENSE, 1 ENW POINT, REDUNDANT LICENSE FOR DUAL MANAGEMENT SYSTEM
RV-LIC/PC/SM	2170420000	$	8,470.00	RADVIEW LICENSE, PC-BASED SYSTEM, SERVICE MANAGER
RV-SC/TDM/UNIX	3570360000	$	4,428.00	RADVIEW-SC NETWORK MANAGER, TDM, UNIX-BASED SYSTEM
RV-SC/TDM/UNIX/DEMO	1960020000	$	0.00	RADVIEW-SC NETWORK MANAGER, TDM, UNIX-BASED SYSTEM, DEMO LICENSE
RV-SC/TDMOIP/PC/UPG	2380010000	$	0.00	RADVIEW SERVICE CENTER FOR TDMOIP - UPGRADE
RV-SC-TDMOIP/PC	3570300000	$	1,265.00	RADVIEW-SC NETWORK MANAGER, PSEUDOWIRE APPLICATIONS, PC-BASED SYSTEM
RV-SC-TDMOIP/PC/DEMO	2380050000	$	0.00	RADVIEW-SC NETWORK MANAGER, PSEUDOWIRE APPLICATIONS, PC-BASED SYSTEM, DEMO LICENSE
SF2/B/48VDC/2GE8UTP/POE	6800270000	$	1,621.00	RUGGEDIZED SCADA-AWARE ETHERNET SWITCH, BASIC OPTION WITH ETHERNET FEATURES, 48 VDC (36-60 VDC), 2 GBE SFP, 8 10/100BASET, POWER OVER ETHERNET
SF2/S/24VDC/2GE8UTP	6800010000	$	1,714.00	RUGGEDIZED SCADA-AWARE ETHERNET SWITCH, SECURED SCADA-AWARE AND ROUTING, 24 VDC (18-32 VDC), 2 GBE SFP, 8 10/100BASET
SF2/S/24VDC/2GE8UTP/CEL	6800020000	$	2,125.00	RUGGEDIZED SCADA-AWARE ETHERNET SWITCH, SECURED SCADA-AWARE AND ROUTING, 24 VDC (18-32 VDC), 2 GBE SFP, 8 10/100BASET, CELLULAR INTERFACE
SF2/S/24VDC/2GE8UTP/POE/CEL	6800040000	$	2,633.00	RUGGEDIZED SCADA-AWARE ETHERNET SWITCH, SECURED SCADA-AWARE AND ROUTING, 24 VDC (18-32 VDC), 2 GBE SFP, 8 10/100BASET, POWER OVER ETHERNET, CELLULAR INTERFACE
SF2/S/24VDC/2GE8UTP/RS232/CEL	6800000000	$	2,391.00	SECURED SCADA-AWARE AND ROUTING, 24 VDC (18-32 VDC), 2 GBE SFP, 8 10/100BASET, 4 RS-232 INTERFACES, CELLULAR INTERFACE
SF2/S/24VDC/2GE8UTP8SFP	6800330000	$	2,468.00	RUGGEDIZED SCADA-AWARE ETHERNET SWITCH, SECURED SCADA-AWARE AND ROUTING, 24 VDC (18-32 VDC), 2 GBE SFP, 8 10/100BASET, 8 100FX
SF2/S/48VDC/2GE8UTP/POE/RS232	6800130000	$	2,246.00	RUGGEDIZED SCADA-AWARE ETHERNET SWITCH, SECURED SCADA-AWARE AND ROUTING, 48 VDC (36-60 VDC), 2 GBE SFP, 8 10/100BASET, POWER O
SF2/S/48VDC/2GE8UTP/POE/RS232/CEL	6800140000	$	2,658.00	SECURED SCADA-AWARE AND ROUTING, 48 VDC (36-60 VDC
SF2/S/48VDC/2GE8UTP/RS232	6800150000	$	1,980.00	RUGGEDIZED SCADA-AWARE ETHERNET SWITCH, SECURED SCADA-AWARE AND ROUTING, 48 VDC (36-60 VDC), 2 GBE SFP, 8 10/100BASET, 4 RS-232 INTERFACES
SF2/S/48VDC/2GE8UTP/RS232/CEL	6800160000	$	2,391.00	SECURED SCADA-AWARE AND ROUTING, 48 VDC (36-60 VDC), 2 GBE SFP, 8 10/100BASET, 4 RS-232 INTERFACES, CELLULAR INTERFACE
SF2/S/AC/2GE8UTP/RS232	6800250000	$	2,343.00	RUGGEDIZED SCADA-AWARE ETHERNET SWITCH, SECURED SCADA-AWARE AND ROUTING, 90-240 VAC, 2 GBE SFP, 8 10/100BASET, 4 RS-232 INTERFACES
SF2/S/AC/2GE8UTP/RS232/CEL	6800530000	$	2,754.00	SECURED SCADA-AWARE AND ROUTING, 90-240 VAC, 2 GBE SFP, 8 10/100BASET, 4 RS-232 INTERFACES, CELLULAR INTERFACE
SF4/RP/48DCR	6850060000	$	154.00	4 X RS-232 SERIAL PORTS
SF4/RP/48DCR	6850160000	$	1,892.00	LAYER 2/3 SWITCH/ROUTER PLATFORM, REDUNDANT 48 VDC
SF4-M-4GBE-POE	6850090000	$	594.00	SECFLOW 4 X 10/100/1000BASTET UTP ETHERNET PORTS WITH POE
SF4-M-4GBE-S	6850080000	$	363.00	SECFLOW 4 X 10/100/1000BASTEFX SFP ETHERNET PORTS
SF4-M-4GBE-U	6850070000	$	418.00	SECFLOW 4 X 10/100/1000BASTET UTP ETHERNET PORTS
SF4-M-4RS232	6850060000	$	154.00	4 X RS-232 SERIAL PORTS
SF4-M-4RSM	6850050000	$	154.00	2 X RS-232 AND 2 X RS485 SERIAL PORTS
SF4-M-SERVICE	6850100000	$	1,186.00	SERVICE MODULE FOR SECFLOW-4 WITH FIREWALL, SERIAL TUNNELING, VPN FUNCTIONALITIES AND DISCRETE INPUT/OUTPUT INTERFACES
SF4-M-SERVICE	6850100000	$	1,186.00	SERVICE MODULE FOR SECFLOW-4 WITH FIREWALL, SERIAL TUNNELING, VPN FUNCTIONALITIES AND DISCRETE INPUT/OUTPUT INTERFACES
SFP-1	1278010000	$	84.00	FAST ETHERNET/STM 1, 1310 NM, MULTIMODE, LED, 2 KM (1.2 MI)
SFP-10A	1278100000	$	58.00	FAST ETHERNET/STM 1, TX - 1310 NM, RX - 1550 NM, SINGLE MODE (SINGLE FIBER), LASER (WDM) , 20 KM (12.4 MI)
SFP-10AD	1278700000	$	86.00	FAST ETHERNET/STM-1 INTERFACE, LC CONNECTOR, TX 13
SFP-10B	1278110000	$	66.00	FAST ETHERNET/STM 1, TX - 1550 NM, RX - 1310 NM, SINGLE MODE (SINGLE FIBER), LASER (WDM) , 20 KM (12.4 MI)
SFP-10BD	1278710000	$	114.00	SFP, SF, TX1550 RX1310, 20KM, LC, 100BASEFX/STM1,
SFP-11	1278190000	$	254.00	STM 1E, MINI-BNC CONNECTOR, DIN 1.0/2.3, 135M (442 FT)
SFP-12	1278220000	$	122.00	E3 INTERFACE, SMB CONNECTOR, 135M (442 FT)
SFP-14D	1278230000	$	160.00	STM 4, DDM, INTERNAL CALIBRATION, 1310 NM, MULTIMODE, LASER, 0.5 KM (0.3 MI)
SFP-15	1278240000	$	88.00	STM 4, 1310 NM, SINGLE MODE, LASER, 15 KM (9.3 MI)
SFP-15DH	1281970000	$	84.00	SM/13L (15KM) FOR 622MBPS WITH DDM INDUSTRIAL
SFP-15DH	1281970000	$	84.00	SM/13L (15KM) FOR 622MBPS WITH DDM INDUSTRIAL
SFP-16	1278250000	$	416.00	STM 4, 1550 NM, SINGLE MODE, LASER, 80 KM (49.7 MI)
SFP-17A	1278400000	$	94.00	GIGABIT ETHERNET, TX -1310 NM, RX -1490 NM, SINGLE MODE (SINGLE FIBER), LASER (WDM), 10.0 KM (6.2 MI)
SFP-17AD	1270040000	$	116.00	GIGABIT ETHERNET, DDM, INTERNAL CALIBRATION, TX -1310 NM, RX -1490 NM, SINGLE MODE (SINGLE FIBER), LASER (WDM), 10.0 KM (6.2 MI)
SFP-17B	1278390000	$	188.00	GIGABIT ETHERNET, TX -1490 NM, RX -1310 NM, SINGLE MODE (SINGLE FIBER), LASER (WDM), 10.0 KM (6.2 MI)
SFP-17BD	1270430000	$	210.00	GIGABIT ETHERNET, DDM, INTERNAL CALIBRATION, TX -1490 NM, RX -1310 NM, SINGLE MODE (SINGLE FIBER), LASER (WDM), 10.0 KM (6.2 MI)
SFP-18A	1278380000	$	298.00	FAST ETHERNET/STM 1, TX - 1310 NM, RX - 1550 NM, 9/25 SINGLE MODE (SINGLE FIBER), LASER (WDM), 40 KM (24.8 MI)
SFP-18B	1278370000	$	320.00	FAST ETHERNET/STM 1, TX - 1550 NM, RX - 1310 NM, 9/25 SINGLE MODE (SINGLE FIBER), LASER (WDM), 40 KM (24.8 MI)
SFP-1D	1278160000	$	104.00	FAST ETHERNET/STM 1, DDM, INTERNAL CALIBRATION, 1310 NM, MULTIMODE, LED, 2 KM (1.2 MI)
SFP-2	1278020000	$	55.00	FAST ETHERNET/STM 1, 1310 NM, SINGLE MODE, LASER, 15 KM (9.3 MI)
SFP-20	1278360000	$	564.00	GIGABIT ETHERNET, 1550 NM, SINGLE MODE, LASER, 120.0 KM (74.5 MI)
SFP-20EDH	1278750000	$	696.00	GIGABIT ETHERNET, DDM, EXTERNAL CALIBRATION, INDUSTRIALLY HARDENED, 1550 NM, SINGLE MODE, LASER, 120.0 KM (74.5 MI)
SFP-21A	1278480000	$	274.00	GIGABIT ETHERNET, TX -1310 NM, RX -1490 NM, SINGLE MODE (SINGLE FIBER), LASER (WDM), 40.0 KM (24.8 MI)
SFP-21AED	1278210000	$	394.00	SINGLE FIBER 40KM FOR GIGA SM WITH EXTERNAL DDM
SFP-21B	1278490000	$	274.00	GIGABIT ETHERNET, TX -1490 NM, RX -1310 NM, SINGLE MODE (SINGLE FIBER), LASER (WDM), 40.0 KM (24.8 MI)
SFP-22A	1278440000	$	336.00	GIGABIT ETHERNET, TX -1490 NM, RX -1570 NM, SINGLE MODE (SINGLE FIBER), LASER (WDM), 80.0 KM (49.7 MI)
SFP-22B	1278430000	$	320.00	GIGABIT ETHERNET, TX -1570 NM, RX -1490 NM, SINGLE MODE (SINGLE FIBER), LASER (WDM), 80.0 KM (49.7 MI)
SFP-23A	1278500000	$	486.00	GIGABIT ETHERNET, TX -1310 NM, RX -1550 NM, SINGLE MODE (SINGLE FIBER), LASER (WDM), 40.0 KM (24.8 MI)
SFP-23AED	1273470000	$	380.00	GIGABIT ETHERNET, DDM, EXTERNAL CALIBRATION, TX -1310 NM, RX -1550 NM, SINGLE MODE (SINGLE FIBER), LASER (WDM), 40.0 KM (24.8 MI)
SFP-23B	1278510000	$	728.00	GIGABIT ETHERNET, TX -1550 NM, RX -1310 NM, SINGLE MODE (SINGLE FIBER), LASER (WDM), 40.0 KM (24.8 MI)
SFP-23BED	1274420000	$	520.00	GIGABIT ETHERNET, DDM, EXTERNAL CALIBRATION, TX -1550 NM, RX -1310 NM, SINGLE MODE (SINGLE FIBER), LASER (WDM), 40.0 KM (24.8 MI)
SFP-24	1278650000	$	90.00	FAST ETHERNET/STM 1, 850 NM, MULTIMODE, 2 KM (1.2 MI)
SFP-2D	1278350000	$	68.00	FAST ETHERNET/STM 1, DDM, INTERNAL CALIBRATION, 1310 NM, SINGLE MODE, LASER, 15 KM (9.3 MI)
SFP-2DH	1281980000	$	66.00	SM/13L (15KM) FOR 155MBPS WITH DDM INTERNAL CALIBR
SFP-2H	1278570000	$	78.00	FAST ETHERNET/STM 1, INDUSTRIALLY HARDENED, 1310 NM, SINGLE MODE, LASER, 15 KM (9.3 MI)
SFP-3	1278030000	$	56.00	FAST ETHERNET/STM 1, 1310 NM, SINGLE MODE, LASER, 40 KM (24.8 MI)
SFP-30	1278740000	$	120.00	MULTIRATE 10/100/1000 COPPER SFP
SFP-3D	1278340000	$	132.00	FAST ETHERNET/STM 1, DDM, INTERNAL CALIBRATION, 1310 NM, SINGLE MODE, LASER, 40 KM (24.8 MI)

SFP-4	1278040000	$	378.00	FAST ETHERNET/STM 1, 1550 NM, SINGLE MODE, LASER, 80 KM (49.7 MI)
SFP-47DH	1278760000	$	304.00	GIGABIT ETHERNET, DDM, INTERNAL CALIBRATION, INDUSTRIALLY HARDENED, 1470 NM, CWDM, 24 DB, BUDGET
SFP-49DH	1278770000	$	304.00	GIGABIT ETHERNET, DDM, INTERNAL CALIBRATION, INDUSTRIALLY HARDENED, 1490 NM, CWDM, 24 DB, BUDGET
SFP-5	1278060000	$	52.00	GIGABIT ETHERNET, 850 NM, MULTIMODE, VCSEL, 0.55 KM (0.3 MI)
SFP-51DH	1278780000	$	304.00	GIGABIT ETHERNET, DDM, INTERNAL CALIBRATION, INDUSTRIALLY HARDENED, 1510 NM, CWDM, 24 DB, BUDGET
SFP-55D	1279220000	$	562.00	GIGABIT ETHERNET, DDM, INTERNAL CALIBRATION, 1550
SFP-59DH	1278820000	$	304.00	GIGABIT ETHERNET, DDM, INTERNAL CALIBRATION, INDUSTRIALLY HARDENED, 1590 NM, CWDM, 24 DB, BUDGET
SFP-5D	1278320000	$	58.00	GIGABIT ETHERNET, DDM, INTERNAL CALIBRATION, 850 NM, MULTIMODE, VCSEL, 0.55 KM (0.3 MI)
SFP-5DH	1278580000	$	96.00	GIGABIT ETHERNET, DDM, INDUSTRIALLY HARDENED, 850 NM, MULTIMODE, VCSEL, 0.55 KM (0.3 MI)
SFP-5H	1278590000	$	82.00	GIGABIT ETHERNET, INDUSTRIALLY HARDENED, 850 NM, MULTIMODE, VCSEL, 0.55 KM (0.3 MI)
SFP-6	1278050000	$	56.00	GIGABIT ETHERNET, 1310 NM, SINGLE MODE, LASER, 10.0 KM (6.2 MI)
SFP-61D	1279250000	$	562.00	GIGABIT ETHERNET, DDM, INTERNAL CALIBRATION, 1610 NM, CWDM, 24 DB, BUDGET
SFP-61DH	1278830000	$	304.00	GIGABIT ETHERNET, DDM, INTERNAL CALIBRATION, INDUSTRIALLY HARDENED, 1610 NM, CWDM, 24 DB, BUDGET
SFP-6D	1278310000	$	60.00	GIGABIT ETHERNET, DDM, INTERNAL CALIBRATION, 1310 NM, SINGLE MODE, LASER, 10.0 KM (6.2 MI)
SFP-6DH	1278840000	$	82.00	GE, 1310 NM, SINGLE MODE, 10KM, HARDENED, DDM
SFP-6H	1278600000	$	74.00	GIGABIT ETHERNET, INDUSTRIALLY HARDENED, 1310 NM, SINGLE MODE, LASER, 10.0 KM (6.2 MI)
SFP-7	1278070000	$	278.00	GIGABIT ETHERNET, 1550 NM, SINGLE MODE, LASER, 80.0 KM (49.7 MI)
SFP-74ED-22	1279310000	$	1,506.00	MULTIRATE DWDM SFP, SM, I
SFP-7D	1278170000	$	334.00	GIGABIT ETHERNET, DDM, INTERNAL CALIBRATION, 1550 NM, SINGLE MODE, LASER, 80.0 KM (49.7 MI)
SFP-7DH	1278850000	$	422.00	GIGABIT ETHERNET, DDM, INTERNAL CALIBRATION, INDUSTRIALLY HARDENED, 1550 NM, SINGLE MODE, LASER, 80.0 KM (49.7 MI)
SFP-8	1278080000	$	170.00	GIGABIT ETHERNET, 1310 NM, SINGLE MODE, LASER, 40.0 KM (24.8 MI)
SFP-8D	1278180000	$	190.00	GIGABIT ETHERNET, DDM, INTERNAL CALIBRATION, 1310 NM, SINGLE MODE, LASER, 40.0 KM (24.8 MI)
SFP-8DH	1278610000	$	232.00	GIGABIT ETHERNET, DDM, INTERNAL CALIBRATION, INDUSTRIALLY HARDENED, 1310 NM, SINGLE MODE, LASER, 40.0 KM (24.8 MI)
SFP-8H	1278620000	$	242.00	GIGABIT ETHERNET, INDUSTRIALLY HARDENED, 1310 NM, SINGLE MODE, LASER, 40.0 KM (24.8 MI)
SFP-9F	1278290000	$	124.00	FAST ETHERNET, RJ 45 CONNECTOR, 100M (328 FT)
SFP-9G	1278090000	$	120.00	GBE INTERFACE, RJ 45 CONNECTOR, 100M (328 FT)
SFP-9G/H	1278890000	$	248.00	GBE INTERFACE, RJ 45 CONNECTOR, 100M (328 FT), HARDENED ENCLOSURE
SFP-CA	5130020000	$	550.00	SYSTEM ON AN SFP CONFIGURATION ADAPTOR DISCLAIMER ONLY SUPPORT BY WINDOWS XP
SFP-ER	5290580000	$	253.00	SFP ETHERNET RANGE EXTENDER
SFP-TOC	1279110000	$	495.00	COPPER GE SFP WITH SYNC E
SNMPC-SW/VER7	4660010000	$	1,265.00	PC-BASED SNMP PLATFORM, WORKGROUP EDITION, FROM CASTLE ROCK COMPUTING, VERSION 7
SNMPC-SW/VER7/DEMO	4660020000	$	0.00	SNMPC 7 WORKGROUP EDITION SNMP PLATFORM, DEMO
SNMPC-SW/VER7/UPG	4660030000	$	0.00	SNMPC VERSION 7 UPGRADE CD
SPH-16/AC	5160010000	$	2,200.00	SFP PATCHING HUB, 16 PORTS, 100-240 VAC
SPH-16/ACR	5160020000	$	2,420.00	SFP PATCHING HUB, 16 PORTS, REDUNDANT AC POWER SUPPLY
SPH-16/DC	5160030000	$	2,288.00	SFP PATCHING HUB, 16 PORTS, DC
SPH-16/DCR	5160040000	$	2,530.00	SFP PATCHING HUB, 16 PORTS, REDUNDANT DC POWER SUPPLY
SPH-16/DCR/CT	5160130000	$	2,960.00	SFP PATCHING HUB, 16 PORTS, REDUNDANT DC POWER SUPPLY, CABLE TRAY
SPH-4/AC	5160050000	$	1,202.00	SFP PATCHING HUB, 4 PORTS, 100-240 VAC
SRM5A/F/RJ11/NEW	1101000010	$	98.00	ASYNCHRONOUS SHORT-RANGE MODEM 4-WIRE, FEMALE, RJ-11 LINE INTERFACE
SRM5A/F/RJ45/NEW	1101010020	$	98.00	SHORT-RANGE ASYNCHRONOUS MODEM, 4-WIRE, FEMALE, RJ-45 LINE INTERFACE
SRM5A/M/RJ11/NEW	1101020010	$	98.00	SHORT-RANGE ASYNCHRONOUS MODEM, 4-WIRE, MALE, RJ-11 LINE INTERFACE
SRM5A/M/RJ45/NEW	1101030020	$	98.00	SHORT-RANGE ASYNCHRONOUS MODEM, 4-WIRE, MALE, RJ-45 LINE INTERFACE
S-RPT-4W	3800010000	$	1,811.00	SHDSL REPEATER, 4 WIRE
TINYBRIDGE-100/4W/AC	3860060000	$	581.00	MINIATURE REMOTE FAST ETHERNET BRIDGE , 4-WIRE WAN INTERFACE, 100-240 VAC
TINYBRIDGE-100/530	3860110000	$	443.00	MINIATURE REMOTE FAST ETHERNET BRIDGE , RS-530 INTERFACE
TINYBRIDGE-100/530/AC	3860070000	$	460.00	MINIATURE REMOTE FAST ETHERNET BRIDGE , RS-530 INTERFACE, 100-240 VAC
TINYBRIDGE-100/V24/AC	3860050000	$	460.00	MINIATURE REMOTE FAST ETHERNET BRIDGE , V.24 INTERFACE, 100-240 VAC
TINYBRIDGE-100/V35F/AC	3860020000	$	460.00	MINIATURE REMOTE FAST ETHERNET BRIDGE , V.35 FEMALE INTERFACE, 100-240 VAC
TINYBRIDGE-100/V35M	3860120000	$	443.00	222 MINIATURE REMOTE ETHERNET BRIDGE
TINYBRIDGE-100/V35M/AC	3860010000	$	460.00	MINIATURE REMOTE FAST ETHERNET BRIDGE , V.35 MALE INTERFACE, 100-240 VAC
TINYBRIDGE-100/V36/AC	3860080000	$	460.00	MINIATURE REMOTE FAST ETHERNET BRIDGE , V.36 INTERFACE, 100-240 VAC
TINYBRIDGE-100/X21F/AC	3860040000	$	481.00	MINIATURE REMOTE FAST ETHERNET BRIDGE , X.21 FEMALE INTERFACE, 100-240 VAC
TINYBRIDGE-100/X21M/AC	3860030000	$	481.00	MINIATURE REMOTE FAST ETHERNET BRIDGE , X.21 MALE INTERFACE, 100-240 VAC
VMUX-110/48/4E&M/ETH-UTP	1850410000	$	2,479.00	1 U TDMOIP VC GW, DC,4E&M,10/100 BASET UTP
VMUX-110/48/4FXO/ETH-UTP	1850380000	$	2,479.00	1 U TDMOIP VC GW, DC,4FXO,10/100 BASET UTP
VMUX-110/48/4FXS/ETH-UTP	1850040000	$	2,479.00	VOICE TRUNKING GATEWAY FOR REMOTE SITES, ¿48 VDC, 4 ANALOG FXS PORTS
VMUX-110/48/8E&M/ETH-UTP	1850390000	$	2,859.00	1U SA TDMOIP VC GW, 48, 8E&M, 10/100BASETX
VMUX-110/48/8FXO/ETH-UTP	1850360000	$	2,859.00	1U SA TDMOIP VC GW, 48, 8FXO, 10/100BASETX
VMUX-110/48/8FXS/ETH-UTP	1850350000	$	2,859.00	1U SA TDMOIP VC GW, 48, 8FXS, 10/100BASETX
VMUX-110/48/E1/30/ETH-UTP	1830020000	$	5,055.00	VOICE TRUNKING GATEWAY FOR REMOTE SITES, ¿48 VDC, E1, 30 TIMESLOTS
VMUX-110/48/T1/24/ETH-UTP	1850010000	$	3,744.00	VOICE TRUNKING GATEWAY FOR REMOTE SITES, ¿48 VDC, T1, 24 TIMESLOTS
VMUX-110/AC/4E&M/ETH-UTP	1850310000	$	2,404.00	VOICE TRUNKING GATEWAY FOR REMOTE SITES, 100-240 VAC, 4 ANALOG E&M PORTS
VMUX-110/AC/4FXO/ETH-UTP	1850300000	$	2,404.00	VOICE TRUNKING GATEWAY FOR REMOTE SITES, 100-240 VAC, 4 ANALOG FXO PORTS
VMUX-110/AC/4FXS/ETH-UTP	1850050000	$	2,404.00	VOICE TRUNKING GATEWAY FOR REMOTE SITES, 100-240 VAC, 4 ANALOG FXS PORTS
VMUX-110/AC/8E&M/ETH-UTP	1850340000	$	2,783.00	VOICE TRUNKING GATEWAY FOR REMOTE SITES, 100-240 VAC, 8 ANALOG E&M PORTS
VMUX-110/AC/8FXO/ETH-UTP	1850330000	$	2,783.00	VOICE TRUNKING GATEWAY FOR REMOTE SITES, 100-240 VAC, 8 ANALOG FXO PORTS
VMUX-110/AC/8FXS/ETH-UTP	1850320000	$	2,783.00	VOICE TRUNKING GATEWAY FOR REMOTE SITES, 100-240 VAC, 8 ANALOG FXS PORTS

VMUX-110/AC/E1/30/ETH-UTP	1830010000	$	4,953.00	VOICE TRUNKING GATEWAY FOR REMOTE SITES, 100-240 VAC, E1, 30 TIMESLOTS
VMUX-110/AC/T1/24/ETH-UTP	1850060000	$	3,669.00	VOICE TRUNKING GATEWAY FOR REMOTE SITES, 100-240 VAC, T1, 24 TIMESLOTS
VMUX-2100/48	1640250000	$	2,277.00	MODULAR VOICE TRUNKING GATEWAY, ¿48 VDC
VMUX-2100/48/R	1640270000	$	2,783.00	MODULAR VOICE TRUNKING GATEWAY, REDUNDANT ¿48 VDC POWER SUPPLY
VMUX-2100/AC	1640010000	$	1,898.00	MODULAR VOICE TRUNKING GATEWAY, 100-240 VAC
VMUX-2100/AC/R	1640020000	$	2,404.00	MODULAR VOICE TRUNKING GATEWAY, REDUNDANT 100-240 VAC POWER SUPPLY
VMUX-2100-PS/48	1640280000	$	886.00	POWER SUPPLY MODULE, ¿48 VDC
VMUX-2100-PS/AC	1640090000	$	506.00	POWER SUPPLY MODULE, 100-240 VAC
VMUX-2120/ACR/VC/16E1/4SK	2521370000	$	25,873.00	VOICE TRUNKING GATEWAY, REDUNDANT AC POWER SUPPLY, VOICE COMPRESSION CARD, 16 E1 PORTS, 4 PORTS ACTIVATED
VMUX-2120/ACR/VC/16E1/8SK	2521320000	$	39,450.00	VOICE TRUNKING GATEWAY, REDUNDANT AC POWER SUPPLY, VOICE COMPRESSION CARD, 16 E1 PORTS, 8 PORTS ACTIVATED
VMUX-2120/ACR/VC/16T1	2520340000	$	49,335.00	VOICE TRUNKING GATEWAY, REDUNDANT AC POWER SUPPLY, VOICE COMPRESSION CARD, 16 T1 PORTS
VMUX-2120/ACR/VC/16T1/12SK	2520890000	$	39,278.00	VOICE TRUNKING GATEWAY, REDUNDANT AC POWER SUPPLY, VOICE COMPRESSION CARD, 16 T1 PORTS, 12 PORTS ACTIVATED
VMUX-2120/ACR/VC/16T1/2SK	2520900000	$	14,137.00	VOICE TRUNKING GATEWAY, REDUNDANT AC POWER SUPPLY, VOICE COMPRESSION CARD, 16 T1 PORTS, 2 PORTS ACTIVATED
VMUX-2120/ACR/VC/16T1/4SK	2520910000	$	19,165.00	VOICE TRUNKING GATEWAY, REDUNDANT AC POWER SUPPLY, VOICE COMPRESSION CARD, 16 T1 PORTS, 4 PORTS ACTIVATED
VMUX-2120/ACR/VC/16T1/8SK	2520920000	$	29,222.00	VOICE TRUNKING GATEWAY, REDUNDANT AC POWER SUPPLY, VOICE COMPRESSION CARD, 16 T1 PORTS, 8 PORTS ACTIVATED
VMUX-2120/DCR/VC/16T1	2520500000	$	49,335.00	VOICE TRUNKING GATEWAY, REDUNDANT DC POWER SUPPLY, VOICE COMPRESSION CARD, 16 T1 PORTS
VMUX-2120-LIC/E1/4SK	2520940000	$	13,577.00	VMUX MODULE UPGRADE, E1 INTERFACE, ADDITIONAL 4 PORTS ACTIVATED
VMUX-2120-LIC/E1/8SK	2520950000	$	27,154.00	VMUX MODULE UPGRADE, E1 INTERFACE, ADDITIONAL 8 PORTS ACTIVATED
VMUX-2120-LIC/T1/2SK	2520960000	$	5,029.00	VMUX MODULE UPGRADE, T1 INTERFACE, ADDITIONAL 2 PORTS ACTIVATED
VMUX-2120-LIC/T1/8SK	2520980000	$	20,114.00	VMUX MODULE UPGRADE, T1 INTERFACE, ADDITIONAL 8 PORTS ACTIVATED
VMUX-2120-M/VC/16E1	2520650000	$	58,064.00	VOICE COMPRESSION MODULE FOR VMUX-2120, VOICE COMPRESSION CARD, 16 E1 PORTS
VMUX-2120-M/VC/16T1	2520660000	$	43,010.00	VOICE COMPRESSION MODULE FOR VMUX-2120, VOICE COMPRESSION CARD, 16 T1 PORTS
VMUX-2120-M/VC/16T1/12SK	2520990000	$	32,953.00	VOICE COMPRESSION MODULE FOR VMUX-2120, VOICE COMPRESSION CARD, 16 T1 PORTS, 12 PORTS ACTIVATED
VMUX-2120-M/VC/16T1/4SK	2521000000	$	12,840.00	VOICE COMPRESSION MODULE FOR VMUX-2120, VOICE COMPRESSION CARD, 16 T1 PORTS, 4 PORTS ACTIVATED
VMUX-M/M-ETH	1640110000	$	2,530.00	SINGLE-PORT CONTROL MODULE FOR VMUX-2100, ETHERNET
VMUX-M/M-ETH/E1	1640050000	$	4,270.00	SINGLE-PORT CONTROL MODULE FOR VMUX-2100, ETHERNET, REDUNDANT E1 LINK
VMUX-M/M-ETH-T1	1640060000	$	3,163.00	SINGLE-PORT CONTROL MODULE FOR VMUX-2100, ETHERNET, REDUNDANT T1 LINK
VMUX-M/VCA-E1/4	1640370000	$	17,078.00	4-PORT ENHANCED VOICE COMPRESSION MODULE FOR VMUX-2100, E1; REQUIRES MIN. SW VER. 4.0
VMUX-M/VCA-T1/4	1640390000	$	12,650.00	4-PORT ENHANCED VOICE COMPRESSION MODULE FOR VMUX-2100, T1; REQUIRES MIN. SW VER. 4.0
WM-34	4610020000	$	61.00	WALL MOUNT KIT FOR ACE-3200
WM-35	4610010000	$	43.00	WALL MOUNT FOR HALF 19" METAL PRODUCTS
WM-35-TYPE4	4610040000	$	61.00	WALL MOUNT KIT FOR 8.5" UNITS
XFP-1D	1279010000	$	678.00	10 GIGABIT ETHERNET, DDM, INTERNAL CALIBRATION, 1310 NM, SINGLE MODE, LC, 10 KM (6.2 MI)
XFP-2D	1279040000	$	3,850.00	10 GIGABIT ETHERNET, DDM, INTERNAL CALIBRATION, 1550 NM, SINGLE MODE, LC, 80 KM (49.7 MI)
XFP-3D	1279050000	$	4,918.00	10 GIGABIT ETHERNET, DDM, INTERNAL CALIBRATION, 15
XFP-3DH	1279060000	$	5,042.00	10 GIGABIT ETHERNET, DDM, INTERNAL CALIBRATION, IN
XFP-4D	1279080000	$	924.00	10 GIGABIT ETHERNET, 850 NM, SINGLE MODE, LC, 300M

redline communications

			Prime Bid	
#	RDL ORDER CODE	RDL PRODUCT DESCRIPTION	QTY	LIST PRICE
1	**EQUIPMENT**			
1.1	**Point-to-Point Equipment**			
	RDL-3000 Edge Terminal Unit (Requires External Antenna) Includes radio only - order antenna, bracket, options key, PoE injector, CAT5 cable and LP extra. Customer needs to ensure to include the region of operation when placing the PO with Redline.			
	3KRR-G-G-T5X	System RDL3000 XP Edge Remote Unit 4.9-5.8GHz 2xN(f) 1eth-RJ45		$1,595.00
	3K-SU-RF3338-01	System RDL3000 XP Edge Remote Unit 3.3-3.8GHz 2xN(f) 1eth-RJ45		$1,595.00
	3K-SU-RF2327-04	System RDL3000 XP Edge Remote Unit 2.3-2.7GHz 2xN(f) 1eth-RJ45		$1,595.00
	3K-EDG-H2023ER-01	System RDL3000 XP Hi-Pwr Edge Remote Unit 2.0-2.3GHz 2xN(f) 1eth-RJ45		$2,295.00
	3K-SU-RF470698-04	System RDL3000 XP Edge Remote Unit 470-698MHz 2xN(f) 1eth-RJ45		$1,595.00
	3K-EDG-H470698ER-01	System RDL3000 XP Hi-Pwr Edge Remote Unit 470-698MHz 2xN(f) 1eth-RJ45		$2,295.00
	eLTE-MT System Includes integrated antenna, mounting kit, metal cable gland, MIMO support, all options. Order Industrial CAT5 cable, PoE injector, power cord (if applicable) and LP extra. Customer needs to ensure to include the region of operation when placing the PO with Redline.			
	ELTE-MT-4958IA-01	System eLTE-MT XP Terminal Unit 4.9-5.8GHz 19dBi-Ant MNT RJ45-Gland		$1,595.00
	ELTE-MT-3338IA-01	System eLTE-MT XP Terminal Unit 3.3-3.8GHz 15dBi-Ant MNT RJ45-Gland		$1,595.00
	ELTE-MT-2327IA-04	System eLTE-MT XP Terminal Unit 2.3-2.7GHz 15dBi-Ant MNT RJ45-Gland		$1,595.00
	ELTE-MT-2023IA-GPS-01	System eLTE-MT XP Hi-Pwr Terminal Unit 2.0-2.3GHz GPS 18dBi-Ant MNT RJ45-Gland		$1,995.00
	ELTE-MT-470698IA-01	System eLTE-MT XP Terminal Unit 470-698MHz 8dBi-Ant MNT RJ45-Gland		$1,995.00
	ELTE-MT-H470698IA-01	System eLTE-MT XP Hi-Pwr Terminal Unit 470-698MHz 8dBi-Ant MNT RJ45-Gland		$2,495.00
	Enterprise System Includes integrated antenna, AC PoE injector, mounting kit and cable gland. Order commerical CAT5 cable, and LP extra. Customer needs to ensure to include the region of operation when placing the PO with Redline.			
	ENT-SU-4958IA-02	System Enterprise XP Subscriber Unit 4.9-5.8GHz AC-POE 19dBi-Ant MNT RJ45-Gland		$1,195.00
	ENT-SU-3338IA-02	System Enterprise XP Subscriber Unit 3.3-3.8GHz AC-POE 15dBi-Ant MNT RJ45-Gland		$1,195.00
	ENT-SU-2327IA-04	System Enterprise XP Subscriber Unit 2.3-2.7GHz AC-POE 15dBi-Ant MNT RJ45-Gland		$1,195.00
	eLTE-MT Terminal System IEC ATEX Zone 2/Class 1 Div 2 Includes mounting kit, metal cable gland with conduit adapter, MIMO support, all options. Order industrial CAT5 cable, PoE injector, LP and ATEX conduit extra. Customer needs to ensure to include the region of operation when placing the PO with Redline.			

ELTE-XP-HAZ-4958IA-01	System eLTE-MT XP Terminal Unit HAZ Zone-2 4.9-5.8GHz 19dBi-Ant MNT RJ45-Gland		$1,895.00
ELTE-XP-HAZ-3338IA-01	System eLTE-MT XP Terminal Unit HAZ Zone-2 3.3-3.8GHz 15dBi-Ant MNT RJ45-Gland		$1,895.00
ELTE-XP-HAZ-2327IA-01	System eLTE-MT XP Terminal Unit HAZ Zone-2 2.3-2.7GHz 15dBi-Ant MNT RJ45-Gland		$1,895.00
Edge Narrow Beam Terminal Unit Flat Panel Antennas Dual-polarization V&H, 2x N(f), Lightweight mounting kit required for radio. Radio is mounted directly to the back of the antenna.			
A2308MFD	Antenna Flat Panel Directional 4.9-5.9GHz 23dBi 14.5in(37cm) 8deg dualpol		$445.00
AFD-DB-0312-00	Antenna Flat Panel Directional 3.3-3.8GHz 21dBi 14.5in(37cm) 12deg dual pol		$445.00
AFD-DB-0216-01	Antenna Flat Panel Directional 2.3-2.7GHz 19dBi 14in(37cm) 16deg v&h-pol 2xN(f)		$445.00
Edge Narrow Beam Terminal Unit Parabolic Antennas Dual-polarization V&H, 2x N(f), Mounting kit for antenna is included - requires separate lightweight mounting kit for radio.			
APD-DB-05-2ft-02	Antenna Parabolic 4.9-6GHz 28.5dBi 2ft(60cm) 5.5deg v&h-pol 2xN(f) w/MNT		$645.00
APD-DB-05-3ft-02	Antenna Parabolic 4.9-5.8GHz 32dBi 3ft(90cm) 4deg v&h-pol 2xN(f) w/MNT		$1,195.00
APD-DB-05-4ft-01	Antenna Parabolic 4.9-5.85GHz 34.9dBi 4ft(1.2m) 3.1deg v&h-pol 2xN(f) Mnt-Rad-Strut-Incl ShipExtra		$2,995.00
APD-DB-03-2ft-03	Antenna Parabolic 3.3-3.8GHz 25dBi 2ft(60cm) 8.5deg v&h-pol 2xN(f) w/MNT		$645.00
APD-DB-03-3ft-02	Antenna Parabolic 3.3-3.8GHz 29dBi 3ft(90cm) 6deg v&h-pol 2xN(f) w/MNT		$1,195.00
APD-DB-03-4ft-01	Antenna Parabolic 3.3-3.8GHz 32dBi 4ft(1.2m) 4deg v&h-pol 2xN(f) Mnt-Rad-Strut-Incl ShipExtra		$2,995.00
APD-DB-02-2ft-01	Antenna Parabolic 2.3-2.7GHz 21dBi 2ft(60cm) 14deg v&h-pol 2xN(f) w/MNT		$645.00
APD-DB-02-3ft-01	Antenna Parabolic 2.3-2.7GHz 24dBi 3ft(90cm) 9.5deg v&h-pol 2xN(f) w/MNT		$1,195.00
APD-DB-02-4ft-01	Antenna Parabolic 2.3-2.7GHz 27dBi 4ft(1.2m) 7.3deg v&h-pol 2xN(f) Mnt-Rad-Strut-Incl ShipExtra		$2,995.00
APD-DB-02L-2ft-01	Antenna Parabolic 2.0-2.3GHz 21dBi 2ft(60cm) 14deg v&h-pol 2xN(f) w/MNT		$645.00
APD-DB-02L-3ft-01	Antenna Parabolic 2.0-2.3GHz 24dBi 3ft(90cm) 9.5deg v&h-pol 2xN(f) w/MNT		$1,195.00
APD-DB-02L-4ft-01	Antenna Parabolic 2.0-2.3GHz 27dBi 4ft(1.2m) 7.3deg v&h-pol 2xN(f) Mnt-Rad-Strut-Incl ShipExtra		$2,995.00
AFD-DB-600-2ft-01	Antenna Panel Directional 470-698MHz 11dBi 19in(60cm) 48deg v&h-pol 2xN(f) w/MNT		$1,795.00
Edge Log-Periodic Antennas (UHF) Two single-pol (H or V orientation), 1x N(m) flying lead for each antenna. Antenna mounting kit included - requires the lightweight mounting bracket to be ordered separately for the radio.			
ALP-SB-60055-01	Antenna Log-P Directional 470-698MHz 11dBi 48in(122cm) 55deg vpol & hpol N(m) MNT 1-set		$1,495.00
RDL-3000 PTP Options Keys One Options Key required per device purchased.			
RapidLink-PTP-100	Options Key RDL3000 PtP MIMO-100Mbps		$795.00
RapidLINK-PTP-Lite	Options Key RDL3000 PTP Terminal 50 Mbps		$695.00
RapidLink-PTP-10	Options Key RDL3000 PtP MIMO-10Mbps		$595.00
SecureLINK-PTP	Options Key RDL3000 PTP Terminal SecureLink - Requires RapidLink Key		$495.00
RpdLnkPTPLite-RpdLnkPTP100	Options Key RDL3000 PTP Terminal Upgrade PTP-Lite to PTP-100		$295.00
MSVSS100-RapidlinkPTP100	Options Key RDL3000 Remote Unit Upgrade SS-100 to PTP-100		$295.00
MSVSS100-RapidlinkPTPLite	Options Key RDL3000 Remote Unit Upgrade SS-100 to PTP-Lite		$195.00

PoE Power Injector Unit Power Injector with single 10/100 Ethernet Data Port plus single 10/100 Powered Ethernet Port. Order either AC (with appropriate power cord) or DC injector.			
PS-DCDC-POE-AT-IND-04	Power Supply DC-DC POE Injector 12/24/48VDC-IN af/at DIN-mount Industrial 2xRJ45		$495.00
PS-ACDC-POE-30W-01	Power Supply AC-DC POE Universal VAC-IN 48VDC-OUT 60W 10/100BaseT		$85.00
PSA-POE-1D	Power Supply DC-DC POE 18-60VDC-IN 48VDC-OUT 20W 10/100BaseT		$85.00
Single AC Power Cord			
PPT-B	Cable Power AC North American Shielded		$5.00
PPT-EF	Cable Power AC European Shielded		$5.00
PPT-G	Cable Power AC UK Shielded		$5.00
Light Weight Mounting Kits Vertical mast mounting kit			
3K-LW-MNT-SS-02	Mount Kit Light Weight RDL3000 with 2xJumpers LMR240 16in (41cm) SS Fasteners		$155.00
3K-LW-MNT-SS-03	Mount Kit Light Weight RDL3000 with 2xJumpers LMR240 6.5ft (2m) SS Fasteners		$295.00
RDL-MNT-ALU-01	Mount Kit Cast Aluminum RDL Stud Pattern 100mm (3.9in) with SS Fasteners		$65.00
CAT5e Industrial Outdoor Rated Cable Assemblies			
CBL-CAT5-IND-15-01	Cable CAT5e Jumper 15ft (4.6m) Shielded Outdoor Industrial Terminated 2xRJ45		$45.00
CBL-CAT5-IND-25-01	Cable CAT5e Jumper 25ft (7.5m) Shielded Outdoor Industrial Terminated 2xRJ45		$50.00
CBL-CAT5-IND-50-01	Cable CAT5e Jumper 50ft (15m) Shielded Outdoor Industrial Terminated 2xRJ45		$80.00
CBL-CAT5-IND-100-01	Cable CAT5e Jumper 100ft (30m) Shielded Outdoor Industrial Terminated 2xRJ45		$140.00
CBL-CAT5-IND-200-01	Cable CAT5e Jumper 200ft (61m) Double Shielded Outdoor Industrial Terminated 2xRJ45		$295.00
CBL-CAT5-IND-246-01	Cable CAT5e Jumper 246ft (75m) Double Shielded Outdoor Industrial Terminated 2xRJ45		$385.00
CBL-CAT5-IND-300-01	Cable CAT5e Jumper 300ft (90m) Double Shielded Outdoor Industrial Terminated 2xRJ45		$495.00
Lightning Protector Industrial PoE			
LP-POE-ALPU-01	Power Surge Arrestor PoE RJ45 Outdoor Bottom 2xRJ45 Jacks		$210.00
MK-LP-ALPU-01	Pole Mount Kit for Power Surge Arrestor LP-POE-ALPU-01		$47.00
LP-POE-DIN-IND-01	Power Surge Arrestor PoE RJ45 DIN-mount Industrial		$75.00
LP-POE-INL-IND-01	Power Surge Arrestor PoE RJ45 Outdoor/Bulkhead Inline Industrial		$245.00
		Point-to-Point Subtotal:	

1.2 Base Station Equipment

RDL-3000 Ellipse Sector Controller System

RDL-3000, 2xN(f), 1xTNC(f), GPS Receiver. Requires options key, antenna, PoE injector, appropriate CAT5 cable and LP to be ordered extra. Customer needs to ensure to include the region of operation when placing the PO with Redline.

3KRR-G-G-T5X-GPS	System RDL3000 XP Ellipse with GPS 4.9-5.8GHz 2xN(f) 1eth-RJ45 1xTNC(f)		$2,495.00
3K-SC-RF3338-GPS-01	System RDL3000 XP Ellipse with GPS 3.3-3.8GHz 2xN(f) 1eth-RJ45 1xTNC(f)		$2,495.00
3K-SC-RF2327-GPS-04	System RDL3000 XP Ellipse with GPS 2.3-2.7GHz 2xN(f) 1eth-RJ45 1xTNC(f)		$2,495.00
3K-SC-HRF2023-GPS-05	System RDL3000 XP Hi-Pwr Ellipse with GPS 2.0-2.3GHz 2xN(f) 1eth-RJ45 1xTNC(f)		$3,495.00
3K-SC-RF470698-GPS-04	System RDL3000 XP Ellipse with GPS 470-698MHz 2xN(f) 1eth-RJ45 1xTNC(f)		$2,495.00
3K-SC-HRF470698-GPS-01	System RDL3000 XP Hi-Pwr Ellipse with GPS 470-698MHz 2xN(f) 1eth-RJ45 1xTNC(f)		$3,495.00

RDL-3000 Ellipse Options Key

Order either MIMO or SISO. The SecureLINK-SC option requires one of the MSV keys. The SYSPROTECT-SC-01 is REQUIRED when building a redundant sector controller/base station.

MSV-SC-512	Options Key RDL3000 Ellipse Base Station 100 Mbps Capacity		$4,995.00
MSV-SC-Lite	Options Key RDL3000 Ellipse Base Station 50 Mbps Capacity		$3,995.00
MSV-SC-6M-01	Options Key RDL3000 Ellipse Base Station 6MHz Channel Size UHF Only		$2,995.00
MSV-SC-12M-01	Options Key RDL3000 Ellipse Base Station Up to 12MHz Channel Size UHF Only		$3,995.00
SecureLink-SC	Options Key RDL3000 Ellipse Base Station SecureLink - Requires MSV Key		$1,995.00
SYSPROTECT-SC-01	Options Key RDL3000 Ellipse Base Station Redundancy per Unit		$995.00
MSVSCLite-MSVSC512	Options Key RDL3000 Upgrade Ellipse Base Station MSV 50 Mbps to 100 Mbps Capacity		$1,495.00
RapidlinkPTP100-MSVSCLite	Options Key RDL3000 PTP Terminal Upgrade PTP-100 to SC-Lite		$2,995.00
RapidlinkPTP100-MSVSC512	Options Key RDL3000 PTP Terminal Upgrade PTP-100 to SC-512		$1,995.00
SecurelinkPTP-SecurelinkSC	Options Key RDL3000 Upgrade PTP Terminal Securelink to Base Station Securelink		$1,800.00

Ellipse Base Station Antennas

Dual-polarization V&H, 2x N(f), mounting kit included, integrated GPS antenna, flying leads. Radio mounts directly to the back of the antenna.

AFS-DBG-0560-01	Antenna Sectoral 4.9-5.9GHz 17.5dBi 2ft(60cm) 60-deg dual-pol GPS-Ant 2xN(m) 1xTNC(m) DT-MNT		$1,695.00
AFS-DBG-0590-01	Antenna Sectoral 4.9-5.9GHz 15.5dBi 2ft(60cm) 90-deg dual-pol GPS-Ant 2xN(m) 1xTNC(m) DT-MNT		$1,695.00
AFS-DBG-05120-01	Antenna Sectoral 4.9-5.9GHz 15dBi 2ft(60cm) 120-deg dual-pol GPS-Ant 2xN(m) 1xTNC(m) DT-MNT		$1,695.00
AFS-DBG-0360-01	Antenna Sectoral 3.3-3.8GHz 15.5dBi 2ft(60cm) 60-deg dual-pol GPS-Ant 2xN(m) 1xTNC(m) DT-MNT		$1,695.00
AFS-DBG-0390-01	Antenna Sectoral 3.3-3.8GHz 15dBi 2ft(60cm) 90-deg dual-pol GPS-Ant 2xN(m) 1xTNC(m) DT-MNT		$1,695.00
AFS-DBG-03120-01	Antenna Sectoral 3.3-3.8GHz 14dBi 2ft(60cm) 120-deg dual-pol GPS-Ant 2xN(m) 1xTNC(m) DT-MNT		$1,695.00
AFS-DBG-0260-01	Antenna Sectoral 2.3-2.7GHz 16dBi 3ft(90cm) 60-deg dual-pol GPS-Ant 2xN(m) 1xTNC(m) DT-MNT		$1,695.00
AFS-DBG-0290-01	Antenna Sectoral 2.3-2.7GHz 14.5dBi 3ft(90cm) 90-deg dual-pol GPS-Ant 2xN(m) 1xTNC(m) DT-MNT		$1,695.00
AFS-DBG-02120-01	Antenna Sectoral 2.3-2.7GHz 14dBi 3ft(90cm) 120-deg dual-pol GPS-Ant 2xN(m) 1xTNC(m) DT-MNT		$1,695.00
AFS-DBG-02L90-01	Antenna Sectoral 2.0-2.3GHz 15dBi 3ft(90cm) 90-deg dual-pol GPS-Ant 2xN(m) 1xTNC(m) DT-MNT		$1,695.00
AFS-DBG-02L120-01	Antenna Sectoral 2.0-2.3GHz 14dBi 3ft(90cm) 120-deg dual-pol GPS-Ant 2xN(m) 1xTNC(m) DT-MNT		$1,695.00
3K-GPS-ANT	Antenna GPS RDL3000 1575.42MHz Active-LNA TNC(f) Mount and 20ft(6m) LMR195 2xTNC(m)Jumper		$295.00

Ellipse Base Station Antennas (UHF Radios Only)

Includes two (2) single-pol H&V, 1x N(f) each, antenna mounting kit. Requires Light Weight mounting bracket for radio along with External GPS Antenna kit to be ordered separately.

AFS-VH-60060-01	Antenna Sectoral 470-698MHz 13dBi 39in(99cm) 60deg vpol & hpol N(f) MNT 1-set		$3,995.00
AFS-DBG-60090-01	Antenna Sectoral 470-698MHz 11.5dBi 5ft(1.5m) 90deg dual-pol GPS-Ant 2xN(m) 1xTNC(m) DT-MNT		$2,995.00
AFS-VH-60090-01	Antenna Sectoral 470-698MHz 12dBi 39in(99cm) 90deg vpol & hpol N(f) MNT 1-set		$3,995.00

PoE Power Injector Unit Power Injector high power with single 10/100 Ethernet Data Port plus single 10/100 Powered Ethernet Port. Order either AC (with power cord) or DC injector.			
PS-DCDC-POE-AT-IND-04	Power Supply DC-DC POE Injector 12/24/48VDC-IN af/at DIN-mount Industrial 2xRJ45		$495.00
PS-DCDC-POE-IND-01	Power Supply DC-DC POE Injector 12/24/48VDC-IN 30W DIN-mount Industrial 2xRJ45		$495.00
PS-ACDC-POE-30W-01	Power Supply AC-DC POE Universal VAC-IN 48VDC-OUT 60W 10/100BaseT		$85.00
PSA-POE-1D	Power Supply DC-DC POE 18-60VDC-IN 48VDC-OUT 20W 10/100BaseT		$85.00
Single AC Power Cord			
PPT-B	Cable Power AC North American Shielded		$5.00
PPT-EF	Cable Power AC European Shielded		$5.00
PPT-G	Cable Power AC UK Shielded		$5.00
RDL-3000 Edge, eLTE-MT, and Enterprise Mounting Kits Lightweight Vertical Mast mounting kit			
3K-LW-MNT-SS-02	Mount Kit Light Weight RDL3000 with 2xJumpers LMR240 16in (41cm) SS Fasteners		$155.00
3K-LW-MNT-SS-03	Mount Kit Light Weight RDL3000 with 2xJumpers LMR240 6.5ft (2m) SS Fasteners		$295.00
CAT5e Industrial Outdoor Rated Cable Assemblies			
CBL-CAT5-IND-15-01	Cable CAT5e Jumper 15ft (4.6m) Shielded Outdoor Industrial Terminated 2xRJ45		$45.00
CBL-CAT5-IND-25-01	Cable CAT5e Jumper 25ft (7.5m) Shielded Outdoor Industrial Terminated 2xRJ45		$50.00
CBL-CAT5-IND-50-01	Cable CAT5e Jumper 50ft (15m) Shielded Outdoor Industrial Terminated 2xRJ45		$80.00
CBL-CAT5-IND-100-01	Cable CAT5e Jumper 100ft (30m) Shielded Outdoor Industrial Terminated 2xRJ45		$140.00
CBL-CAT5-IND-200-01	Cable CAT5e Jumper 200ft (61m) Double Shielded Outdoor Industrial Terminated 2xRJ45		$295.00
CBL-CAT5-IND-246-01	Cable CAT5e Jumper 246ft (75m) Double Shielded Outdoor Industrial Terminated 2xRJ45		$385.00
CBL-CAT5-IND-300-01	Cable CAT5e Jumper 300ft (90m) Double Shielded Outdoor Industrial Terminated 2xRJ45		$495.00
Lightning Protector Industrial PoE			
LP-POE-ALPU-01	Power Surge Arrestor PoE RJ45 Outdoor Bottom 2xRJ45 Jacks		$210.00
LP-POE-DIN-IND-01	Power Surge Arrestor PoE RJ45 DIN-mount Industrial		$75.00
MK-LP-ALPU-01	Pole Mount Kit for Power Surge Arrestor LP-POE-ALPU-01		$47.00
LP-POE-INL-IND-01	Power Surge Arrestor PoE RJ45 Outdoor/Bulkhead Inline Industrial		$245.00
		Base Station Subtotal:	

1.3 Remote Terminal Equipment

RDL-3000 Edge Terminal Unit (Requires External Antenna)
Includes radio only - order antenna, bracket, PoE injector, CAT5 cable, Options Key, and LP extra. Customer needs to ensure to include the region of operation when placing the PO with Redline.
Separate Options Key required.

3KRR-G-G-T5X	System RDL3000 XP Edge Remote Unit 4.9-5.8GHz 2xN(f) 1eth-RJ45		$1,595.00
3K-SU-RF3338-01	System RDL3000 XP Edge Remote Unit 3.3-3.8GHz 2xN(f) 1eth-RJ45		$1,595.00
3K-SU-RF2327-04	System RDL3000 XP Edge Remote Unit 2.3-2.7GHz 2xN(f) 1eth-RJ45		$1,595.00
3K-EDG-H2023ER-01	System RDL3000 XP Hi-Pwr Edge Remote Unit 2.0-2.3GHz 2xN(f) 1eth-RJ45		$2,295.00
3K-SU-RF470698-04	System RDL3000 XP Edge Remote Unit 470-698MHz 2xN(f) 1eth-RJ45		$1,595.00
3K-EDG-H470698ER-01	System RDL3000 XP Hi-Pwr Edge Remote Unit 470-698MHz 2xN(f) 1eth-RJ45		$2,295.00

Edge Narrow Beam Terminal Unit Flat Panel Antennas
Dual-polarization V&H, 2x N(f), Lightweight mounting kit required for radio. Radio is mounted directly to the back of the antenna.

A2308MFD	Antenna Flat Panel Directional 4.9-5.9GHz 23dBi 14.5in(37cm) 8deg dualpol		$445.00
AFD-DB-0312-00	Antenna Flat Panel Directional 3.3-3.8GHz 21dBi 14.5in(37cm) 12deg dual pol		$445.00
AFD-DB-0216-01	Antenna Flat Panel Directional 2.3-2.7GHz 19dBi 14in(37cm) 16deg v&h-pol 2xN(f)		$445.00
AFD-DB-600-2ft-01	Antenna Panel Directional 470-698MHz 11dBi 19in(60cm) 48deg v&h-pol 2xN(f) w/MNT		$1,795.00

Edge Narrow Beam Terminal Unit Parabolic Antennas
Dual-polarization V&H, 2x N(f), Mounting kit for antenna is included - requires separate lightweight mounting kit for radio.

APD-DB-05-2ft-02	Antenna Parabolic 4.9-6GHz 28.5dBi 2ft(60cm) 5.5deg v&h-pol 2xN(f) w/MNT		$645.00
APD-DB-05-3ft-02	Antenna Parabolic 4.9-5.8GHz 32dBi 3ft(90cm) 4deg v&h-pol 2xN(f) w/MNT		$1,195.00
APD-DB-05-4ft-01	Antenna Parabolic 4.9-5.85GHz 34.9dBi 4ft(1.2m) 3.1deg v&h-pol 2xN(f) Mnt-Rad-Strut-Incl ShipExtra		$2,995.00
APD-DB-03-2ft-03	Antenna Parabolic 3.3-3.8GHz 25dBi 2ft(60cm) 8.5deg v&h-pol 2xN(f) w/MNT		$645.00
APD-DB-03-3ft-02	Antenna Parabolic 3.3-3.8GHz 29dBi 3ft(90cm) 6deg v&h-pol 2xN(f) w/MNT		$1,195.00
APD-DB-03-4ft-01	Antenna Parabolic 3.3-3.8GHz 32dBi 4ft(1.2m) 4deg v&h-pol 2xN(f) Mnt-Rad-Strut-Incl ShipExtra		$2,995.00
APD-DB-02-2ft-01	Antenna Parabolic 2.3-2.7GHz 21dBi 2ft(60cm) 14deg v&h-pol 2xN(f) w/MNT		$645.00
APD-DB-02-3ft-01	Antenna Parabolic 2.3-2.7GHz 24dBi 3ft(90cm) 9.5deg v&h-pol 2xN(f) w/MNT		$1,195.00
APD-DB-02-4ft-01	Antenna Parabolic 2.3-2.7GHz 27dBi 4ft(1.2m) 7.3deg v&h-pol 2xN(f) Mnt-Rad-Strut-Incl ShipExtra		$2,995.00
APD-DB-02L-2ft-01	Antenna Parabolic 2.0-2.3GHz 21dBi 2ft(60cm) 14deg v&h-pol 2xN(f) w/MNT		$645.00
APD-DB-02L-3ft-01	Antenna Parabolic 2.0-2.3GHz 24dBi 3ft(90cm) 9.5deg v&h-pol 2xN(f) w/MNT		$1,195.00
APD-DB-02L-4ft-01	Antenna Parabolic 2.0-2.3GHz 27dBi 4ft(1.2m) 7.3deg v&h-pol 2xN(f) Mnt-Rad-Strut-Incl ShipExtra		$2,995.00

Edge Log-Periodic Antennas (UHF) Two single-pol (H or V orientation), 1x N(m) flying lead for each antenna. Antenna mounting kit included - requires the lightweight mounting bracket to be ordered separately for the radio.			
ALP-SB-60055-01	Antenna Log-P Directional 470-698MHz 11dBi 48in(122cm) 55deg vpol & hpol N(m) MNT 1-set		$1,495.00
eLTE-MT Terminal Unit Includes integrated antenna, mounting kit, metal cable gland, MIMO capability. Order Industrial CAT5 cable, PoE injector, power cord (if applicable), Options Key and LP extra. Customer needs to ensure to include the region of operation when placing the PO with Redline. **Separate Options Key required.**			
ELTE-MT-4958IA-01	System eLTE-MT XP Terminal Unit 4.9-5.8GHz 19dBi-Ant MNT RJ45-Gland		$1,595.00
ELTE-MT-3338IA-01	System eLTE-MT XP Terminal Unit 3.3-3.8GHz 15dBi-Ant MNT RJ45-Gland		$1,595.00
ELTE-MT-2327IA-04	System eLTE-MT XP Terminal Unit 2.3-2.7GHz 15dBi-Ant MNT RJ45-Gland		$1,595.00
ELTE-MT-2023IA-GPS-01	System eLTE-MT XP Hi-Pwr Terminal Unit 2.0-2.3GHz GPS 18dBi-Ant MNT RJ45-Gland		$1,995.00
ELTE-MT-470698IA-01	System eLTE-MT XP Terminal Unit 470-698MHz 8dBi-Ant MNT RJ45-Gland		$1,995.00
ELTE-MT-H470698IA-01	System eLTE-MT XP Hi-Pwr Terminal Unit 470-698MHz 8dBi-Ant MNT RJ45-Gland		$2,495.00
ELTE-MT Terminal System IEC ATEX Zone 2/Class 1 Div 2 Includes Mounting Kit; Metal Cable Gland with Conduit Adapter, MIMO capability. Order CAT5 cable, POE injector, Options Key, LP and ATEX conduit extra. Please provide region of operation when ordering. **Separate Options Key Required.**			
ELTE-XP-HAZ-4958IA-01	System eLTE-MT XP Terminal Unit HAZ Zone-2 4.9-5.8GHz 19dBi-Ant MNT RJ45-Gland		$1,895.00
ELTE-XP-HAZ-3338IA-01	System eLTE-MT XP Terminal Unit HAZ Zone-2 3.3-3.8GHz 15dBi-Ant MNT RJ45-Gland		$1,895.00
ELTE-XP-HAZ-2327IA-01	System eLTE-MT XP Terminal Unit HAZ Zone-2 2.3-2.7GHz 15dBi-Ant MNT RJ45-Gland		$1,895.00
ELTE-XP-HAZ-470698IA-01	System eLTE-MT XP Terminal Unit HAZ Zone-2 470-698MHz 8dBi-Ant MNT RJ45-Gland		$1,895.00
Enterprise System Includes integrated antenna, AC PoE injector, mounting kit and cable gland. Order commerical CAT5 cable, and LP extra. Customer needs to ensure to include the region of operation when placing the PO with Redline.			
ENT-SU-4958IA-02	System Enterprise XP Subscriber Unit 4.9-5.8GHz AC-POE 19dBi-Ant MNT RJ45-Gland		$1,195.00
ENT-SU-3338IA-02	System Enterprise XP Subscriber Unit 3.3-3.8GHz AC-POE 15dBi-Ant MNT RJ45-Gland		$1,195.00
ENT-SU-2327IA-04	System Enterprise XP Subscriber Unit 2.3-2.7GHz AC-POE 15dBi-Ant MNT RJ45-Gland		$1,195.00
RDL-3000 Edge, eLTE-MT, and Enterprise Options Keys One Options Key required per device purchased.			
MSV-SS-012	Options Key RDL3000 Enterprise Features - Compatible with Enterprise and Edge - 12Mbps		$295.00
MSV-SS-036	Options Key RDL3000 Enterprise Features - Compatible with Enterprise and Edge - 36Mbps		$595.00
MSV-SS-100	Options Key RDL3000 Enterprise Features - Compatible with Enterprise and Edge - 100Mbps		$895.00
STL-MT-01	Options Key RDL3000 eLTE-MT Features - Compatible with eLTE-MT and Edge - 4 Mbps		$395.00
STL-MT-02	Options Key RDL3000 eLTE-MT Features - Compatible with eLTE-MT and Edge - 10 Mbps		$695.00
STL-MT-6M-01	Options Key RDL3000 eLTE-MT Features - Compatible with UHF eLTE-MT and Edge - 6 MHz Channel Size		$795.00
STL-MT-12M-01	Options Key RDL3000 eLTE-MT Features - Compatible with UHF eLTE-MT and Edge - 12 MHz Channel Size		$1,095.00
SBL-MT-01	Options Key RDL3000 eLTE-MT Features - Compatible with eLTE-MT and Edge - 100 Mbps		$1,295.00

RDL-3000 RAS-Elite System - Integrated Antenna Includes Metal Cable Gland, MIMO capability. Order applicable mounting bracket, industrial CAT5 cable, PoE injector, Options Key, and LP extra. Customer needs to ensure to include the region of operation when placing the PO to Redline. **Separate Options Key Required.**			
RAS-SYS-IA-GPS-5458-01	System RDL3000 XP RAS-Elite 5.4-5.8GHz Int-15dBi-Ant 1eth-RJ45 GPS Gland		$5,995.00
RAS-SYS-IA-GPS-4954-01	System RDL3000 XP RAS-Elite 4.9-5.4GHz Int-14dBi-Ant 1eth-RJ45 GPS Gland		$5,995.00
RDL-3000 RAS-Elite Options Keys One Options Key required per device purchased.			
MSV-SS-M-01	Options Key RDL3000 RAS Nomadic Terminal Unit 4 Mbps		$1,995.00
MSV-SS-M-02	Options Key RDL3000 RAS Nomadic Terminal Unit 10 Mbps		$2,495.00
MSV-SS-M	Options Key RDL3000 RAS Nomadic Terminal Unit 100 Mbps		$7,995.00
RAS Mounting Brackets			
3K-RM-MNT-03	Mount Kit RAS-Elite Magnetic with bracket and magnets		$495.00
3K-RM-MNT-04	Mount Kit RAS-Elite Pole-Mast Top or Side Standard-Hole Pattern SS		$495.00
3K-RM-MNT-05	Mount Kit RAS-Elite Headache Rack L-Bracket with cover tray		$495.00
PoE Power Injector Unit Power Injector high power with single 10/100 Ethernet Data Port plus single 10/100 Powered Ethernet Port. Order either AC (with power cord) or DC injector.			
PS-DCDC-POE-AT-IND-04	Power Supply DC-DC POE Injector 12/24/48VDC-IN af/at DIN-mount Industrial 2xRJ45		$495.00
PS-DCDC-POE-IND-01	Power Supply DC-DC POE Injector 12/24/48VDC-IN 30W DIN-mount Industrial 2xRJ45		$495.00
PS-ACDC-POE-30W-01	Power Supply AC-DC POE Universal VAC-IN 48VDC-OUT 60W 10/100BaseT		$85.00
PSA-POE-1D	Power Supply DC-DC POE 18-60VDC-IN 48VDC-OUT 20W 10/100BaseT		$85.00
Single AC Power Cord			
PPT-B	Cable Power AC North American Shielded		$5.00
PPT-EF	Cable Power AC European Shielded		$5.00
PPT-G	Cable Power AC UK Shielded		$5.00
RDL-3000 Edge, eLTE-MT, and Enterprise Mounting Kits Lightweight Vertical Mast mounting kit			
3K-LW-MNT-SS-02	Mount Kit Light Weight RDL3000 with 2xJumpers LMR240 16in (41cm) SS Fasteners		$155.00
3K-LW-MNT-SS-03	Mount Kit Light Weight RDL3000 with 2xJumpers LMR240 6.5ft (2m) SS Fasteners		$295.00
CAT5e Industrial Outdoor Rated Cable Assemblies			
CBL-CAT5-IND-15-01	Cable CAT5e Jumper 15ft (4.6m) Shielded Outdoor Industrial Terminated 2xRJ45		$45.00
CBL-CAT5-IND-25-01	Cable CAT5e Jumper 25ft (7.5m) Shielded Outdoor Industrial Terminated 2xRJ45		$50.00
CBL-CAT5-IND-50-01	Cable CAT5e Jumper 50ft (15m) Shielded Outdoor Industrial Terminated 2xRJ45		$80.00
CBL-CAT5-IND-100-01	Cable CAT5e Jumper 100ft (30m) Shielded Outdoor Industrial Terminated 2xRJ45		$140.00
CBL-CAT5-IND-200-01	Cable CAT5e Jumper 200ft (61m) Double Shielded Outdoor Industrial Terminated 2xRJ45		$295.00
CBL-CAT5-IND-246-01	Cable CAT5e Jumper 246ft (75m) Double Shielded Outdoor Industrial Terminated 2xRJ45		$385.00
CBL-CAT5-IND-300-01	Cable CAT5e Jumper 300ft (90m) Double Shielded Outdoor Industrial Terminated 2xRJ45		$495.00
Lightning Protector Industrial PoE			

	LP-POE-ALPU-01	Power Surge Arrestor PoE RJ45 Outdoor Bottom 2xRJ45 Jacks		$210.00
	MK-LP-ALPU-01	Pole Mount Kit for Power Surge Arrestor LP-POE-ALPU-01		$47.00
	LP-POE-DIN-IND-01	Power Surge Arrestor PoE RJ45 DIN-mount Industrial		$75.00
	LP-POE-INL-IND-01	Power Surge Arrestor PoE RJ45 Outdoor/Bulkhead Inline Industrial		$245.00
			Remote Terminal Subtotal:	

1.4 ClearView Network Management System

ClearView Base Software Options - Network Management Solution
Complete solution for OAM&PT - full FCAPS with automated device discovery, fault and event management with TCA's, alerts and notifications; device configuration and element provisioning; dashboard view, statistic management, collection and storage; dashboard tables and charts; data analysis; WEB and client user-interface; user-account management.
Server not included.
Requires Unique Server Key to generate license file.

CV-PRO-20-02	Software ClearView 2 NMS Base with 20 Devices		$3,995.00
CV-PRO-100-02	Software ClearView 2 NMS Base with 100 Devices		$8,995.00
CV-PRO-500-02	Software ClearView 2 NMS Base with 500 Devices		$31,995.00
CV-PRO-1000-02	Software ClearView 2 NMS Base with 1000 Devices		$54,995.00
CV-PRO-5000-02	Software ClearView 2 NMS Base with 5000 Devices		$204,995.00
CV-PRO-UNL-02	Software ClearView 2 NMS Base with Unlimited Devices		$289,995.00
ClearView Options			
CV-DOP-20-02	Options Key ClearView 2 NMS Upgrade Devices add 20		$1,995.00
CV-DOP-100-02	Options Key ClearView 2 NMS Upgrade Devices add 100		$7,995.00
CV-DOP-500-02	Options Key ClearView 2 NMS Upgrade Devices add 500		$28,995.00
CV-DOP-1000-02	Options Key ClearView 2 NMS Upgrade Devices add 1000		$52,995.00
CV-DOP-5000-02	Options Key ClearView 2 NMS Upgrade Devices add 5000		$199,995.00
CV-DOP-300-UNL-02	Options Key ClearView 2 NMS Upgrade Devices <300 to Unlimited		$286,995.00
CV-DOP-500-UNL-02	Options Key ClearView 2 NMS Upgrade Devices 300-500 to Unlimited		$274,995.00
CV-DOP-1000-UNL-02	Options Key ClearView 2 NMS Upgrade Devices 501-1000 to Unlimited		$259,995.00
CV-DOP-2500-UNL-02	Options Key ClearView 2 NMS Upgrade Devices 1001-2500 to Unlimited		$239,995.00
CV-DOP-4999-UNL-02	Options Key ClearView 2 NMS Upgrade Devices 2501-4999 to Unlimited		$159,995.00
CV-DOP-5000-UNL-02	Options Key ClearView 2 NMS Upgrade Devices >5000 to Unlimited		$94,995.00
CV-FOP-3RD-02	Options Key ClearView 2 NMS Third Party Devices		$29,995.00
CV-FOP-AUTH-02	Options Key ClearView 2 NMS Server Authentication Interface		$29,995.00
CV-FOP-MAP-02	Options Key ClearView 2 NMS Maps+		$29,995.00
CV-FOP-NBI-02	Options Key ClearView 2 NMS Northbound Interface		$29,995.00
CV-FOP-RED-02	Options Key ClearView 2 NMS Redundant Server Application		$29,995.00

ClearView Subtotal:

2 Professional Services

Engineering and Consulting Services (Travel and Living Expenses are not Included in the Below Costs)			
RCPS-PM	Program Management		$20,000.00
DCS-CPND	Cell Planning Guidance		$1,500.00
DCS-CPBS-1	Cell Planning - Base Station (Coverage Only)		$4,200.00
DCS-CPBS-2	Cell Planning - Base Station (Coverage and Capacity)		$4,200.00
DCS-CPBS-3	Cell Planning - Base Station (Coverage, Capacity and Frequency Plan)		$4,200.00
DCS-CPBH	Cell Planning - Backhaul		$3,000.00
DCS-WNPA	Wireless Network Performance Audit		$1,500.00
DCC-NAC	Network Architecture Consultation		$1,500.00
DCS-NBIIC	NMS Northbound Interface Integration consultation		$1,500.00
HIGH-RES-MAP	High resolution data maps for cell planning		Please Call
Resident and Deployment On-Site Engineering Services (Travel and Living Expenses are not Included in the Below Costs)			
RCPS-OSES-1Y	One year On Site Engineering Service		$250,000.00
RCPS-OSES-6M	Six months On Site Engineering Service		$156,250.00
RCPS-OSES-1M	One month On Site Engineering Service		$31,875.00
RCPS-OSES-1D	One day On Site Engineering Service (minimum 10 working days)		$1,500.00
RCPS-RES-1Y	One year Remote Engineering Service		$130,000.00
RCPS-RES-6M	Six months Remote Engineering Service		$81,250.00
RedCare On Request Support Services			
RCOR-AR	Advanced Replacement Next Business Day - **Not Discountable -** Replacement Cost Not Included		$350.00
RCOR-TS	Access to Redline's Technical Assistance Centre (TAC) - Per Call - **Not Discountable**		$150.00
RCOR-EOSS	Emergency On-site Support - Per Day - **Not Discountable**		$1,800.00
RedCare Professional Services			
RCPS-ROAM	NMS Operations and Maintenance - Per Day		$1,500.00

Training

RDL-3000 Product Courses			
RCSA-3K-2-S	Support Associate - Redline Office - 2 Days		$1,700.00
RCSA-3K-2-G	Support Associate (Minimum 10 attendees) - Onsite - 2 Days		$2,340.00
RCSP-3K-3-S	Support Professional - Redline Office - 3 Days		$2,700.00
RCSP-3K-3-G	Support Professional (Minimum 10 attendees) - Onsite - 3 Days		$3,410.00
RCSE-3K-5-S	Support Expert pre-requisite RCSP - Redline Office - 5 Days		$4,500.00
RCSE-3K-5-G	Support Expert, pre-requisite RCSP (Minimum 10 attendees) - Onsite - 5 Days		$5,390.00
NMS Product Courses			
RCSA-CV-1-S	NMS Support Associate, 1 day at Redline		$1,000.00

RCSA-CV-1-G	NMS Support Associate, (Minimum 10 attendees)		$1,530.00
Redline Re-Certification (Web Based)			
RCPF-WEB-RDL	Product Update and Certification Exam, Web Based, 0.5 days		$500.00
Redline Certified Support Professional (RCSP) for Redline Products			
RCSP-RDL-5-S	Support professional for RDL products (AN80i, RDL2000, 3000, NMS) - Redline Office - 5 Days		$4,050.00
RCSP-RDL-7-S	Support professional for RDL products (AN80i, RDL2000, 3000, 5000, NMS) - Redline Office - 7 Days		$4,800.00
RCSP-RDL-5-G	Dedicated Support professional for three of RDL products (Minimum 10 attendees) - Onsite - 5 Days		$4,585.00
		Professional Services Subtotal:	

Siklu Price List EH-1200FX

Valid as of May 1st 2014

Catalog Number	Item	Comments	List Price (US $/unit)
	Hardware		
EH-1200FX-Kit-1	EtherHaul-1200FX Kit with 1ft Antenna, 2x ODU's with 1' antenna, 2x mounting brackets, 2x PoE's	Etherhaul-1200 71-76/81-86\GHz FDD complete link Kit with 1ft Integrated antenna. Operates at 1000Mbps FD. with 2 ports: copper, includes Adaptive modulation and Embedded Web GUI. Cannot be loaded with any additional license except AES encryption license.	8,110
EH-1200FX-KIT-2	EtherHaul-1200FX Kit with 1ft Antenna, 2x ODU's, 2x 2' antennas, 2x mounting brackets, 2x PoE's	Etherhaul-1200 71-76/81-86 GHz FDD with connector for External antenna. Operates at 1000Mbps aggregated. with ports: 2xcopper, includes Adaptive modulation and Embedded Web GUI. Cannot be loaded with any additional license except AES encryption license.	10,190
	Ordering Options		-
EH-1200FX-OPT-AES	AES Encryption Feature Option	Upgrade license to AES-128/256 encryption. Suitable for all EH-1200 products	600
	EMS Client	Basic Package: SNMP, CLI	-
	Accessories & Spares		
EH-Fiber-Shield	EtherHaul fiber extender shield		25
EH-PSU-W/OCBL	Power unit 48VDC (90-240 VAC source, W/O AC cable)		120
EH-PoE-AC-PSU-US	Power unit - PoE (100-240 AC source, US AC cable)		120
EH-SRG	Ethernet/PoE Surge Protector		100
EH-SFP-MM	SFP MM 850		80
EH-SFP-SM	SFP SM 1310		100
EH-1200-RAD-1ft	Radome - 1 ft.		80
	Services [3]		
SR-TR-1D	Training - Installation[1]	1 Day course at Siklu (up to 8 People)	1,500
SR-TR-1D-Customer	Training - Installation (Customer prem)[1]	1 Day course At Customer (up to 8 People)	4,000
SR-TR-2D	Training - Basic[1]	2 Day course at Siklu (up to 8 People)	2,500
SR-TR-2D-Customer	Training - Basic(Customer prem)[1]	2 Day course At Customer (up to 8 People)	6,000
SR-TR-3D	Training - Advanced [1]	3 Day course at Siklu (up to 8 People)	4,000
SR-TR-3D-Customer	Training - Advanced (Customer prem)[1]	3 Day course At Customer (up to 8 People)	7,500
SR-TS-OnSite	On Site Support [1,2]	Per day (3rd level support)	1,500
SR-SL-1Y-FL	Service&Support Plan - Silver - 1 Year[4]	Price per 1 year (1st year included in product warranty)	300
SR-SL-3Y-FL	Service&Support Plan - Silver - 3 Years[4]	Price per 3 year	750
SR-GL-1Y-FL	Service&Support Plan - Gold - 1 Year[4]	Price per 1 year	600
SR-GL-3Y-FL	Service&Support Plan - Gold - 3 Years[4]	Price per 3 year	1500
SR-PL-1Y-FL	Service&Support Plan - Platinum - 1 Year[4]	Price per 1 year	750
SR-PL-3Y-FL	Service&Support Plan - Platinum - 3 Years[4]	Price per 3 year	1875
SR-ACTIVATION-FL	Service&Support Plan Activation[4]	Activation fee for missing service coverage period	2307.5

1 Services items are not discounted
2 Excluding travel and accomodation expenses where needed
3 Please refer to Service T&C
4 Service and Support Plan prices are per ODU

General Terms & Conditions

Prices are FOB NJ, USA
Payment terms: Net 30 days
Delivery times :
4-6 weeks within forecast (binding rolling forecast)
8 weeks without forecast
RMA & shipment
30 days in/out repair facility
Shipment to Siklu by customer
Shipment to customer by Siklu

UHF and VHF

P25 Base Station/Repeater

GENERAL: The TB9100 base station offers continuous duty cycle operation at full performance specifications within the complete temperature and altitude range.

With a flexible, modular design, practical features and value for money that Tait is renowned for, the TB9100 raises the bar for APCO Project 25 (P25) base stations. It utilizes 28V FET technology for superior performance and reliability. The TB9100 operates both as a repeater and/or a line connected base station.

What's more, it's even easier to use. Flexible operating and programming software with an intuitive user interface is at the heart of the TB9100, making it very integrator friendly and easily expandable.

Its practical easy-to-use features coupled with impressive RF performance help make the TB9100 the best choice for your next generation P25 base station.
.
Other configuration options are available by special order. Please contact your Kenwood Systems Regional Sales Manager for more information.

The TB9100 is manufactured by Tait Radio Communications.

Features: 255 channels with up to 4 CTCSS or 4 DCS tone per channel**.**
Full Remote Control and Diagnostics.
Choice of external interface configurations.
Programming Operation.
Software Enabled Feature upgrade options.
Choice of single 50W or 100W configurations.
Power Management Unit (PMU) options for AC, AC and 12VDC, or 12VDC Power.

VHF SINGLE CHANNEL CONFIGURATION with AC PMU		***LIST***
KTB9115-B2HE-A	Single 50W Base Station/Repeater 136-156MHz, 50W	10,575.00
KTB9115-B3HE-A	Single 50W Base Station/Repeater 148-174MHz, 50W	10,575.00
KTB9135-B2ME-A	Single 100W Base Station/Repeater 136-156MHz, 100W	11,370.00
KTB9135-B3ME-A	Single 100W Base Station/Repeater 148-174MHz, 100W	11,370.00
VHF SINGLE CHANNEL CONFIGURATION with AC and 12VDC PMU		***LIST***
KTB9115-B2HE-J	Single 50W Base Station/Repeater 136-156MHz, 50W	11,295.00
KTB9115-B3HE-J	Single 50W Base Station/Repeater 148-174MHz, 50W	11,295.00
KTB9135-B2ME-J	Single 100W Base Station/Repeater 136-156MHz, 100W	12,090.00
KTB9135-B3ME-J	Single 100W Base Station/Repeater 148-174MHz, 100W	12,090.00
VHF SINGLE CHANNEL CONFIGURATION with 12VDC PMU		***LIST***
KTB9115-B2HE-C	Single 50W Base Station/Repeater 136-156MHz, 50W	10,325.00
KTB9115-B3HE-C	Single 50W Base Station/Repeater 148-174MHz, 50W	10,325.00
KTB9135-B2ME-C	Single 100W Base Station/Repeater 136-156MHz, 100W	11,115.00
KTB9135-B3ME-C	Single 100W Base Station/Repeater 148-174MHz, 100W	11,115.00
VHF SINGLE CHANNEL CONFIGURATION - No PMU		***LIST***
KTB9125-B2RE-0	Single 50W Base Station/Repeater 136-156MHz, 50W	9,125.00
KTB9125-B3RE-0	Single 50W Base Station/Repeater 148-174MHz, 50W	9,125.00
UHF SINGLE CHANNEL CONFIGURATION with AC PMU		***LIST***
KTB9115-H1HE-A	Single 50W Base Station/Repeater 400-440MHz, 50W	10,575.00
KTB9115-H2HE-A	Single 50W Base Station/Repeater 440-480MHz, 50W	10,575.00
KTB9115-H3HE-A	Single 50W Base Station/Repeater 470-520MHz, 50W	10,575.00
KTB9135-H1ME-A	Single 100W Base Station/Repeater 400-440MHz, 100W	11,370.00
KTB9135-H2ME-A	Single 100W Base Station/Repeater 440-480MHz, 100W	11,370.00
KTB9135-H3ME-A	Single 100W Base Station/Repeater 470-520MHz, 100W	11,370.00

UHF SINGLE CHANNEL CONFIGURATION with AC and 12VDC PMU		***LIST***
KTB9115-H1HE-J	Single 50W Base Station/Repeater 400-440MHz, 50W	11,295.00
KTB9115-H2HE-J	Single 50W Base Station/Repeater 440-480MHz, 50W	11,295.00
KTB9115-H3HE-J	Single 50W Base Station/Repeater 470-520MHz, 50W	11,295.00
KTB9135-H1ME-J	Single 100W Base Station/Repeater 400-440MHz, 100W	12,090.00
KTB9135-H2ME-J	Single 100W Base Station/Repeater 440-480MHz, 100W	12,090.00
KTB9135-H3ME-J	Single 100W Base Station/Repeater 470-520MHz, 100W	12,090.00
UHF SINGLE CHANNEL CONFIGURATION with 12VDC PMU		***LIST***
KTB9115-H1HE-C	Single 50W Base Station/Repeater 400-440MHz, 50W	10,325.00
KTB9115-H2HE-C	Single 50W Base Station/Repeater 440-480MHz, 50W	10,325.00
KTB9115-H3HE-C	Single 50W Base Station/Repeater 470-520MHz, 50W	10,325.00
KTB9135-H1ME-C	Single 100W Base Station/Repeater 400-440MHz, 100W	11,115.00
KTB9135-H2ME-C	Single 100W Base Station/Repeater 440-480MHz, 100W	11,115.00
KTB9135-H3ME-C	Single 100W Base Station/Repeater 470-520MHz, 100W	11,115.00
UHF SINGLE CHANNEL CONFIGURATION - No PMU		***LIST***
KTB9125-H1RE-0	Single 50W Base Station/Repeater, 400-440MHz, 50W	9,125.00
KTB9125-H2RE-0	Single 50W Base Station/Repeater, 440-480MHz, 50W	9,125.00
KTB9125-H3RE-0	Single 50W Base Station/Repeater, 470-520MHz, 50W	9,125.00
SOFTWARE		***LIST***
KTBAKEY01	TB9100 Software License Installer	390.00
KTBAS050	TB9100 SFE Key - P25 Common Air Interface	5,400.00
KTBAS051	TB9100 SFE Key - Analog Line	110.00
KTBAS057	TB9100 SFER Key - P25 Base Encryption and Key Loading **Note:** Requires purchase of KTBAS051	1,200.00
KTBAS058	TB9100 SFE Key - P25 AES Encryption **Note:** Requires purchase of KTBAS051 and KTBAS057	1,200.00
KTBAS060	TB9100 SFE Key - Digital Fixed Station Interface	600.00
KTBAS714	TB9100 SFE Pack - P25 DES + AES Encryption	2,400.00
MANUALS		***LIST***
KTMBA-00032-07	TaitNet P25 Conventional System Manual	80.00
KTMBA-00004-08	TB9100 Calibration Kit Software User's Manual	80.00
KTMBA-00014-12	TB9100/P25 CG/P25 TAG Specifications Manual	40.00
KTMBA-00003-15	TB9100 Customer Service Software User's Manual	80.00
KTMBA-00002-11	TB9100/P25 CG/P25 TAG Installation and Operation Manual	70.00
MOUNTING CONFIGURATIONS		***LIST***
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	1,200.00
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,675.00
KSGMT20020	42" (20RU) Locking Cabinet	2,000.00
KSGMT0C20U	Crate for 42" (20RU) Locking Cabinet **Note:** Optional for situations where extra protection during transportation is required.	345.00
KSGMT20001	Cabinet Solid Top Panel	90.00
KSGMT20002	Cabinet Fan Top Assembly	435.00
KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	140.00
MISC STATION OPTIONS		***LIST***
KTMAA02-01	Standard Microphone	60.00
KTBAA03-15	Relay Coax Assembly Fit with Single Mounting Bracket	565.00
KTBAOP20	Crossover and Audio Cables	115.00
KTBAA03-13	Auxiliary Support Bracket	35.00
KTBAA03-16	Carrying Handles	15.00
KTBA0STU	Base Station Calibration Test Unit and Cable	705.00
KTBA0ST2	Base Station Tool Kit	335.00

COMPONENTS		***LIST***
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	720.00
KSGMT0C03R	Crate for 3' Rack	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	650.00
KSGMT0C07R	Crate for 7' Rack	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	2,155.00
KSGMT0C40U	Crate for 40U Cabinet	520.00

IP Consoles

C-6200 ships as an 18 line IP/Tone console. For direct tone connections and a telephone interface order TCRD or PCRD cards. The console is set up to use the GNM gooseneck mic, but other desk mics can be ordered from accessories. Console does not ship with a microphone, order from accessories.

PRODUCT	SAP NUMBER	DESCRIPTION	MSRP
C-6200-18 @PI	F.01U.148.919	C-6200-US, 18 Line VoIP Console - Factory Options	$8,649.00
C-6200R	F.01U.144.664	18 Line Analog- IP Console Rack mount	$9,130.00
6200TCRD@PI	F.01U.145.241	Dual Line Card for C-6200 Console, Installed	$589.00
6200-PCRD CARD- FIELD	F.01U.144.216	6200-PCRD Public System Telephone Network Card, Field Kit	$1,349.00
6200-TCRD CARD- FIELD	F.01U.145.239	Dual Line Card for C-6200 Console, Field	$589.00
6200 COVER KIT	F.01U.146.594	C-6200 Knock-Out Cover Kit	$17.50
Handset Option 6200	F.01U.149.000	Handset for C-6200, IP-1616, and C-1616 Field Installation Option	$272.00
HS-4	F.01U.144.192	Handset for C-6200, IP-1616, and C-1616 Factory Installation Option	$244.00
GNM-18	F.01U.120.335	Gooseneck Microphone 18"	$250.00
MD-MS	F.01U.117.309	MD-MS DESK MIC	$196.00
TC-6200	F.01U.144.086	Transport Case for C-6200	$711.00

The IP-1616 ships as an 8 line IP console and can be used in conjunction with other IP consoles on a network. The console is set up to use a GNM gooseneck mic, but other desk mics can be ordered from accessories. Console does not ship with a microphone, order from accessories.

PRODUCT	SAP NUMBER	DESCRIPTION	MSRP
IP-1616-US	F.01U.117.296	IP-1616 8 Line VoIP Console, US Version	$4,397.00

Handset Option 6200	F.01U.149.000	Handset for C-6200, IP-1616, and C-1616 Field Installation Option	$272.00
HS-4	F.01U.144.192	Handset for C-6200, IP-1616, and C-1616 Factory Installation Option	$244.00
GNM-18	F.01U.120.335	Gooseneck Microphone 18"	$250.00
MD-MS	F.01U.117.309	MD-MS DESK MIC	$196.00
IP-1616 RMK	F.01U.144.217	IP-1616 Rack Mount Kit	$119.00

The IP-2002 ships as a 2 line IP console telephone style desk set and can be used in conjunction with other IP consoles on a network. The console is set up to use the built in handset or mic and PTT button on the face of the unit.

PRODUCT	SAP NUMBER	DESCRIPTION	MSRP
IP-2002-US	F.01U.117.305	IP 2002-US, 2 Line Console	$2,125.00
2002 WMK	F.01U.138.514	C-2002 or IP-2002 Wall Mount Bracket	$54.60
MD-MS	F.01U.117.309	MD-MS DESK MIC	$196.00

Headset Adaptor

The HB-3+ is designed to give the push button consoles a headset adaptor. As of January 1, 2011 the HB3 will only be sold with the C-6200, IP-1616, IP-2002, and all of the C-1616 and C-2000 series analog consoles.

PRODUCT	SAP NUMBER	DESCRIPTION	MSRP
HB-3 Plus-US	F.01U.117.762	HB-3 Plus ADAPTER BOX	$892.00

Build your C-Soft IP Dispatch Console Position

To build your dispatch positions choose a PC platform, Monitor, C-Soft USB line key, ADHB4 Headset Adapter and accessories. If SIP is to be ordered with your system use the Dongle option, which plugs into the PC or the SW code option which will be programmed into the HB4 when ordered in conjunction with the F.01U.170.667@PI HB4 model.

Choose PC Hardware Platform

PRODUCT	SAP NUMBER	DESCRIPTION	MSRP
Desktop Computer	F.01U.124.474	Desktop with Windows 7 (CPU), specified C-Soft installed, and Mouse & Keyboard. (DOES NOT INCLUDE SPEAKERS)	$2,459.00
Laptop Computer	F.01U.149.047	Laptop with Windows 7 and specified C-Soft.	$3,601.00

Choose C-Soft License size

PRODUCT	SAP NUMBER	DESCRIPTION	MSRP
C-Soft 2 Line-USB	F.01U.117.299	C-Soft 2-line SOFTWARE, USB	$1,716.00
C-Soft 6 Line-USB	F.01U.117.300	C-Soft 6-line SOFTWARE, USB	$3,666.00
C-Soft 12 Line-USB	F.01U.117.301	C-Soft 12-line SOFTWARE, USB	$4,584.00
C-Soft 24 Line-USB	F.01U.117.303	C-Soft 24-line SOFTWARE, USB	$5,731.00
C-Soft 50 Line-USB	F.01U.117.302	C-Soft 50-line SOFTWARE, USB	$6,305.00
C-Soft 100 Line-USB	F.01U.144.228	C-Soft 100-line SOFTWARE, USB	$7,452.00
C-Soft 150 Line-USB	F.01U.144.230	C-Soft 150-line SOFTWARE, USB	$8,026.00
C-Soft 200 Line-USB	F.01U.163.359	C-Soft 200-line SOFTWARE, USB	$8,578.00

Choose Monitor(s)

PRODUCT	SAP NUMBER	DESCRIPTION	MSRP

19" LCD monitor	F.01U.117.881	19" LCD monitor	$546.00
19" T.S. LCD monitor	F.01U.144.930	19" T.S. LCD monitor	$1,735.00

Choose Headset Adaptor

PRODUCT	SAP NUMBER	DESCRIPTION	MSRP
ADHB-4 US	F.01U.149.779	ADHB-4, ADVANCED HEADSET	$2,399.00
RHB-1	F.01U.149.785	RHB-1, REMOTE HEADSET BOX (NOTE: Max RHB's per ADHB-4 is 2)	$301.00
ADHB-4MTBRK	F.01U.163.360	ADHB-4 MOUNTING BRACKETS	$53.60
ADHB-4 US@PI	F.01U.170.667	ADHB-4, ADVANCED HEADSET for SIP SW Code	$2,399.00

ADHB-4

The ADHB-4 is the standard audio adapter for the C-soft console. This panel provides the sound card and the ability for up to 6 speakers. This adapter hosts the Headsets, footswitch, speakers and telephone headset jack.

Choose SIP Option

PRODUCT	SAP NUMBER	DESCRIPTION	MSRP
SIP 2 Line Dongle	F.01U.166.263	SIP Enhanced 2 Line Dongle	$432.00
SIP 6 Line Dongle	F.01U.166.264	SIP Enhanced 6 Line Dongle	$1,087.00
SIP 2 Line SW	F.01U.166.265	SIP Enhanced 2 Line SW Code for HB4	$432.00
SIP 6 LINE SW	F.01U.166.266	SIP Enhanced 6 Line SW Code for HB4	$1,087.00
SIP 2 Line SW Field	F.01U.170.532	SIP Enhanced 2 Line SW Code for HB4 Field	$432.00
SIP 6 Line SW Field	F.01U.170.666	SIP Enhanced 6 Line SW Code for HB4 Field	$1,087.00

When ordering SIP, make sure the total number of SIP lines plus the total number of dispatch radio lines does not exceed the total number of lines available on the C-Soft Key. SIP Dongles will plug directly into the PC. If ordering SIP SW code for a new install, order the ADHB-4 (P/N F.01U.170.667@PI) along with the 2 or 6 line SW code P/N. If an existing ADHB-4 is being used, order the SW code Field option of SIP and install the hash code on-site (Note: Unit serial number is required at time of ordering).

Choose P25 DFSI Option

PRODUCT	SAP NUMBER	DESCRIPTION	MSRP
P25 DFSI 2 Line @ PI	F.01U.201.591	P25 DFSI 2 Line @ PI	$3,090.00
P25 Dongle @ PI	F.01U.215.699	P25 Dongle @ PI	$0.00
P25 SWKey @ PI	F.01U.217.165	P25 SWKey @ PI	$0.00

The Telex conventional P25 offering is sold as an option to C-Soft console positions. A single option of P25 can support two P25 system base stations. Add the total number of P25 base stations required for each position and divide by 2 (rounding up) to get the number of options needed per position.

Note: Make sure to add all standard radio, SIP and P25 lines to get the total number of C-Soft lines required. Select the closest available C-Soft license key to support the total line requirement.

Example:
Customer wants a total of 6 lines of P25 on each of 5 console positions: 6 lines per position divided (/) by 2 = 3 options or increments per position.
Then multiply by number of positions (5) to get total of increments or options of P25 (3 X 5 = 15).
Select either Dongles or SW key part number, this should equal the number of positions and has no cost, for this example we have chosen the hardware dongle.

QTY	*PART NUMBER*	*MODEL / DESCRIPTION*	*UNIT PRICE*
15	*F.01U.201.591*	*P25 DFSI 2 Line @ PI*	*$3,000.00*
5	*F.01U.215.699*	*P25 Dongle @ PI*	*$0.00*

At this time, there is no Field SW option for existing ADHB-4s. A new ADHB-4 will have to be ordered if the SW Key is ordered.

Choose Microphone, Headset and Accessories

PRODUCT	SAP NUMBER	DESCRIPTION	MSRP
DH2000	F.01U.117.886	Dispatcher Headset- MONO	$159.00
DH2200	F.01U.117.887	Dispatcher Headset- Dual sided MONO	$153.00
DH3000	F.01U.120.557	ANR Dispatcher Headset- MONO	$308.00
DH3200	F.01U.120.556	ANR Dispatcher Headset- Dual sided MONO	$268.00
LC1500	F.01U.117.884	Lower cord unit, 15ft	$124.00
LC2500	F.01U.117.885	Lower cord unit, 25ft	$136.00
6513C Desk Top Mic	F.01U.117.798	6513C Desk Top Mic	$426.00
MD-MS	F.01U.117.309	MD-MS DESK MIC	$196.00
DT-GN W/GNM-18	F.01U.138.537	Desk Top Gooseneck Microphone kit	$457.00
DT-GN Desk Top only	F.01U.120.586	Desk Top Gooseneck Microphone kit (Base only)	$268.00
MM-GN w/GNM-18	F.01U.149.428	Monitor Mounted Gooseneck Microphone Kit	$503.00
Polar Desktop	F.01U.164.301	Polar Choice Series PC Desktop-18RD	$450.00
NOTE: Cable not required when mounting PolarChoice to ADHB-4			
XLR-E Mic Cable	F.01U.148.845	Polar Choice Cable, Electret-XLR to RJ12 for HB3+	$75.20
XLR-D Mic Cable	F.01U.148.847	Dynamic type Microphone with XLR to RJ12 for HB3+	$75.20
FS-1	F.01U.117.308	Footswitch DPDT FS-1	$147.00
DISPATCH Speaker set	F.01U.155.248	Dispatch Speakers	$64.50
DISH-1 Headset	F.01U.117.424	Dispatcher Headset	$576.00
DISH-2 Headset	F.01U.117.425	Dispatcher Headset Stereo	$819.00

Network Recorders

Network Recorder Models with options

PRODUCT	SAP NUMBER	DESCRIPTION	MSRP
NR-12 Line V2	F.01U.136.591	Network Recorder 12 Line NR-V2	$13,550.00
NR-24 Line V2	F.01U.144.676	Network Recorder 24 Line NR-V2	$18,139.00
NR-50 Line V2	F.01U.121.963	Network Recorder 50 Line NR-V2	$34,967.00
NR-100 Line V2	F.01U.117.697	Network Recorder 100 Line NR-V2	$44,802.00
NR-V2 Archive Hard Drive	F.01U.118.947	Removable Archive Hard Drive Module	$492.00

IP Adaptors - IP-224

The IP-224 is the next generation of IP adapter for building the Telex Radio Dispatch solution. Each adapter can control two devices. Power supply can be ordered from accessories or use power from device that is interfaced to the IP-224. Other options for the IP-224 are listed below. If ordering an option with the @PI Factory selection, order the IP-224 with options @ PI. (F.01U.165.537).

PRODUCT	SAP NUMBER	DESCRIPTION	MSRP
IP-224	F.01U.164.302	IP-224 Adaptor (No Options)	$2,673.00
IP-224 wOps @ PI	F.01U.165.537	IP-224 With Options @ PI	$2,673.00
FltSync Dec - 224@PI	F.01U.165.550	IP-224 FltSync Decode SW @ PI Factory	$406.00
FltSync Dec-Enc 224 @ PI	F.01U.165.551	IP-224 FltSync Decode/Encode SW @ PI Factory	$1,025.00
MDC Dec - 224@PI	F.01U.165.552	IP-224 MDC1200 Decode SW @ PI Factory	$386.00
MDC Dec-Enc 224@PI	F.01U.165.553	IP-224 MDC1200 Decode/Encode SW @ PI Factory	$1,025.00
IP25300 224 @ PI	F.01U.165.556	IP-224 EFJ 5300 SW & Cable @ PI Factory (per-line)	$1,025.00
NI223+ IP224@PI	F.01U.165.557	IP-224 iDEN SW & Cable @ PI Factory (per-line)	$1,540.00

IP-224 Accessories			
IP-224 Dual Brackets	**F.01U.165.538**	**IP-224 Mounting Brackets (Dual)**	**$103.00**
IP-224 Single Brackets	**F.01U.165.539**	**IP-224 Mounting Brackets (Single)**	**$61.80**
DB37 Kenwood K-X150	**F.01U.165.540**	**IP-224 Cable - Kenwood TK-X150/X180, 5X10 and NXDN radios**	**$205.00**
DB37 Kenwood TK-X90	**F.01U.165.541**	**IP-224 Cable - Kenwood TK-X90 radio**	**$205.00**
DB37 650370	**F.01U.165.543**	**IP-224 to Viper Cable Adaptor**	**$205.00**
DB37 CABTONE	**F.01U.165.544**	**IP-224 DB-37 Cable Assembly to 4-Wire Tone Cable**	**$205.00**
DB37 CDM1250	**F.01U.165.545**	**IP-224 Motorola CDM/PRO Cable Interface**	**$205.00**
EFJ5300-Cable	**F.01U.165.548**	**IP-224 EFJ 5300 Radio Interface (Cable Only)**	**$246.00**
iDEN Cable	**F.01U.165.549**	**IP-224 iDEN Radio Interface (Cable Only)**	**$246.00**
MTRBI for IP-224	**F.01U.165.554**	**IP-224 MTRBI Radio Interface (Includes cables)**	**$1,746.00**
AHS-1	**F.01U.117.426**	**Alignment Handset**	**$64.90**
IP-224 Field Upgrades - Note unit Serial Number/s is required at time of ordering			
FltSync Dec - 224@ Field	**F.01U.217.158**	**IP-224 FltSync Decode SW for Field**	**$406.00**
FltSync Dec-Enc 224 @ FL	**F.01U.217.159**	**IP-224 FltSync Decode/Encode SW for Field**	**$1,025.00**
MDC Dec - 224@ Field	**F.01U.217.160**	**IP-224 MDC1200 Decode SW for Field**	**$386.00**
MDC Dec-Enc 224@ Field	**F.01U.217.161**	**IP-224 MDC1200 Decode/Encode SW Field**	**$1,025.00**
IP25300 @ Field	**F.01U.217.162**	**IP-224 EFJ 5300 SW & Cable @ Field (per-line)**	**$1,025.00**
Ni223+ @ Field	**F.01U.217.163**	**IP-224 iDEN SW & Cable @ Field (per-line)**	**$1,540.00**

IP Adaptors - IP-223

IP-223 is the IP adaptor Panel for Radio, Telephone and Auxiliary Interfaces to the IP consoles. It can control two devices. Order power plug separately from accessories if not using device power. Feature options are listed below.

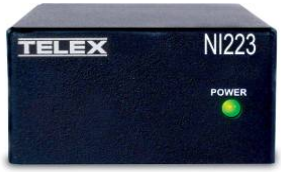
PRODUCT	SAP NUMBER	DESCRIPTION	MSRP
IP-223	F.01U.117.291	IP-223 Remote Ethernet Panel	$2,430.00
IP-223 with option	F.01U.144.201	IP-223 w/ FleetSync Decode	$2,903.00
IP-223 with option	F.01U.144.202	IP-223 w/ MDC Decode	$2,880.00
IP-223 with option	F.01U.144.203	IP-223 w/ Fleetsync Encode/Decode	$3,626.00
IP-223 with option	F.01U.144.204	IP-223 w/ MDC Encode/Decode	$3,626.00
IP-223 with option	F.01U.144.205	IP-223 w/ MDC & FleetSync Decode	$3,354.00
IP-223 with option	F.01U.144.206	IP-223 w/ Fltsync Enc/Dec & MDC Decode	$4,076.00
IP-223 with option	F.01U.144.207	IP-223 w/ MDC Enc/Dec & Fltsync Decode	$4,099.00

Decode and Encode options can also be ordered after the IP-223 is delivered by using the follow part numbers, *please add the IP-223 serial number to your order*.

PRODUCT	SAP NUMBER	DESCRIPTION	MSRP
ANI FleetSync	F.01U.144.659	FleetSync ANI Decode Option	$431.00
Encode FleetSync	F.01U.144.660	FleetSync Decode and Encode option	$1,088.00
ANI MDC 1200	F.01U.117.677	MDC-1200 ANI Decode Option	$410.00
Encode MDC-1200	F.01U.140.472	MDC-1200 Decode and Encode option	$1,106.00
IP-223CAB150/180	F.01U.117.822	Cable assy, IP-223/Kenwood TK-X150/180, 5X10 & NXDN radios	$141.00
IP-223CAB90	F.01U.117.823	Cable assembly, IP-223/Kenwood TK-X90 Radio Interface	$141.00
IP-223DB9Splitter	F.01U.117.818	Cable assembly, DB9 Splitter	$130.00
IP223CABCDM1250	F.01U.117.827	Cable assembly, IP-223/Motorola CDM/PRO Mobile Interface	$141.00
CABTONE	F.01U.123.339	Cable assembly, Dual 25 Pin to 4-Wire Tone Cable	$141.00
SRM2000	F.01U.117.824	IP-223/Sepura SRM2000 Interface Cable	$105.00
650370	F.01U.145.349	IP223 to 400100XXX Cable Adaptor	$142.00
AHS-1	F.01U.117.426	Alignment Handset	$64.90
DSP223RACK	F.01U.120.330	19" Rack mount bracket holds two IP-223's, DSP's or TRA's	$82.40
Power Supply	F.01U.110.313	Power Supply, 12 VDC, 1.25 A 90-260vac	$40.20
PC-USA	F.01U.117.972	Power Cord US 115V	$17.00

IP-25300 to EF Johnson 5300 mobile radio advanced control interface to the IP-223.

PRODUCT	SAP NUMBER	DESCRIPTION	MSRP
IP25300	F.01U.120.532	EF Johnson 5300 mobile radio advanced control interface to the IP-223.	$1,196.00



Ni-223+ iDen Handset interface for Falcon class Motorola Nextel phones to IP-223. Control a nextel with the console as if it were in your hand.

PRODUCT	SAP NUMBER	DESCRIPTION	MSRP
NI-223+	F.01U.117.801	iDEN Handset interface for Falcon class Motorola Nextel phones to IP-223	$1,797.00

NEO-10 Network auxiliary input / output adaptor. Monitor temperature settings, machines or turn on lights and open doors with the NEO 10.

PRODUCT	SAP NUMBER	DESCRIPTION	MSRP
NEO-10	F.01U.117.294	Network auxiliary input / output adaptor	$2,170.00

MTRBi Radio Interface Using a control station gain access to a MOTOTRBO™ radio system with MTRBi.

PRODUCT	SAP NUMBER	DESCRIPTION	MSRP
MTRBi Radio Interface	F.01U.162.606	MTRBi Interface to Motorola MOTOTRBO Radio	$1,852.00

VIPER

The Viper MCU is a stand alone dispatch package - Use mobiles or hand-held portables to interface to the 8 ports on the back to control and record communications at an incident site. Comes with 8 IP-223s Panasonic Tough book Dispatch Laptop with C-Soft and recording software installed. Computer headset not included.

PRODUCT	SAP NUMBER	DESCRIPTION	MSRP
VIPER-MCU	F.01U.140.440	VIPER-MCU	$28,409.00

VIPER Portable Radio Interface Cables

PRODUCT	SAP NUMBER	DESCRIPTION	MSRP
EE-CC-OE-6	F.01U.145.039	EM-CC-OE 6 Foot Cable	$130.00
KENWTK280/3140I/FC	F.01U.145.051	Kenwood TK-480/481 radio Cable	$217.00
MTRLAGP300WM200C	F.01U.117.926	Motorola GP300 WM200 Cable	$152.00
MTRLAHT1K-XTS3KC	F.01U.145.041	Motorola HT1000/XTS3000 Cable	$217.00
400100152	F.01U.145.053	Motorola HT750/1250 I/F Cable	$217.00
650370	F.01U.145.349	IP223 to 400100XXX Cable Adaptor	$142.00

Analog Consoles

The C-2000 single Line Tone Remote Console comes with built in mic and speaker. Desk mic can be ordered separately.

PRODUCT	SAP NUMBER	DESCRIPTION	MSRP
C-2000-US	F.01U.144.197	C-2000-US, Single Line Console.	$716.00
MD-MS	F.01U.117.309	MD-MS DESK MIC	$196.00

The C-2000-HS single Line Tone Remote Console with Handset ships with a telephone style handset.

PRODUCT	SAP NUMBER	DESCRIPTION	MSRP
C-2000-HS-US	F.01U.144.195	C-2000-HS-US, Single Line Tone Remote with Handset.	$781.00
MD-MS	F.01U.117.309	MD-MS DESK MIC	$196.00

C-2002-HS Two Line Tone Remote Console with Handset

PRODUCT	SAP NUMBER	DESCRIPTION	MSRP
C-2002-HS-US	F.01U.148.921	C-2002-HS-US Two Line Tone Radio Control Console with Handset	$1,435.00

2002 WMK	F.01U.138.514	C-2002 or IP-2002 Wall Mount Bracket	$54.60
MD-MS	F.01U.117.309	MD-MS DESK MIC	$196.00

The C-1616 can be ordered as a 2, 4, or 6 Line Tone Remote Console. Microphone does not ship with console. Order a GNM gooseneck or desk mic from accessories.

PRODUCT	SAP NUMBER	DESCRIPTION	MSRP
C-1616-2-US	F.01U.144.208	C-1616-2-US, Two Line Tone Remote Radio Control Console	$2,103.00
C-1616-4-US	F.01U.144.210	C-1616-4-US, Four Line Tone Remote Radio Control Console	$2,639.00
C-1616-6-US	F.01U.144.212	C-1616-6-US, Six Line Tone Remote Radio Control Console	$2,999.00
DTLM	F.01U.148.909	C-1610/16 Dual Line Card with RJ-45 Cables	$405.00
GNM-18	F.01U.120.335	Gooseneck Microphone 18"	$250.00
Handset Option 6200	F.01U.149.000	Handset for C-6200, IP-1616, and C-1616 Field Installation Option	$272.00
HS-4	F.01U.144.192	Handset for C-6200, IP-1616, and C-1616 Factory Installation Option	$244.00
MD-MS	F.01U.117.309	MD-MS DESK MIC	$196.00

Analog Adaptors

The DSP223 and TRA223 Tone Remote Adaptor Panels can be interfaced with local control radios to control remotely with tone. The DSP provides channel change, the TRA only provides PTT on one channel.

PRODUCT	SAP NUMBER	DESCRIPTION	MSRP
TRA223	F.01U.122.019	TRA223 Tone Remote Adaptor for one frequency control.	$428.00
DSP223	F.01U.120.329	DSP223 Tone Remote Adaptor for Radio control.	$782.00
DSP223RACK	F.01U.120.330	19" Rack mount bracket holds two IP-223's, DSP's or TRA's	$82.40
DSP223PRG	F.01U.148.983	Programming Kit for DSP-223	$60.20
DSP223/KENWOOD	F.01U.144.815	DSP223 To Kenwood TK-x150/180 interface kit.	$190.00
DSP223/Relm Kit	F.01U.144.200	DSP223 To Relm GMH Serial Interface Kit	$155.00
330-ABOVE1613	F.01U.144.189	330 Notch Filter System - ABOVE 1613HZ	$249.00
330-2175	F.01U.144.190	330 Notch Filter System - 2175HZ	$249.00
1505	F.01U.144.193	1505 Audio Summing Card	$1,178.00
1211	F.01U.144.069	Type 10 Card Cage	$1,918.00
SRM10	F.01U.120.685	19" Rack Mount Power Supply	$352.00
1223C	F.01U.143.493	1223C Tone Adapter Card	$568.00
Backplane	F.01U.144.198	Assembly 1505/1211 Backplane	$146.00
TO-23	F.01U.144.330	TO-23 Transformer Option	$68.00
Power Supply	F.01U.110.313	Power Supply, 12 VDC, 1.25 A 90-260vac	$40.20

VX-2100

Stock	Model	Description	List Price
	VX-2100-D0-25 PKG-1	25W VHF 134-174 MHz, 8 CH with MH-67A8J Mic-Antenna Not Included	$ 330.00
Stock	VX-2100-D0-50 PKG-1	50W VHF 134-174 MHz, 8 CH with MH-67A8J Mic-Antenna Not Included	$ 345.00
	VX-2100-G6-25 PKG-1	25W UHF 400-470 MHz, 8 CH with MH-67A8J Mic-Antenna Not Included	$ 350.00
	VX-2100-G6-45 PKG-1	45W UHF 400-470 MHz, 8 CH with MH-67A8J Mic-Antenna Not Included	$ 380.00
	VX-2100-G7-25 PKG-1	25W UHF 450-512 MHz, 8 CH with MH-67A8J Mic-Antenna Not Included	$ 350.00
Stock	VX-2100-G7-45 PKG-1	45W UHF 450-512 MHz, 8 CH with MH-67A8J Mic-Antenna Not Included	$ 380.00

Alignment/Service Related

	Model	Description	List Price
	CT-92	FIF-8 cable to the Mobiles VX-3200/VX-4200/VX-4200/VX-2500. Used for updating firmware using the FIF-8 firmware writer.	$ 23.00

DC Noise Filters

	Model	Description	List Price
Stock	LF-1	Plug-In Line Filter	$ 35.00

Microphone

	Model	Description	List Price
Stock	MD-12A8J	Desktop Microphone	$ 102.00
Stock	MH-67A8J	Standard Microphone	$ 40.00
	MH-75A8J	DTMF Microphone, Black	$ 55.00

Power Supply

	Model	Description	List Price
Stock	FP-1023	External Power Supply 23 Amp	$ 216.88
Programming and Installation			
	Model	**Description**	**List Price**
Stock	CT-104A	Programming pigtail for USB setup-FIF-12 required as well	$ 40.00
Stock	FIF-12	FIF-12 USB Interface for PC programming. Check specific models for additional cable pigtails. Pigtails not included.	$ 150.00
Stock	VX VPL-1	Serial Port Programming cable from PC	$ 87.00
Signaling			
	Model	**Description**	**List Price**
	FVP-25	Encryption Unit (Band Inversion Type) and DTMF Paging. (requires FIF-7 if installed into the VX-4000/VX-5500/VX-6000)	$ 60.00
	FVP-35	Plug-in Rolling Code Encryption. (Requires FIF-7 if installed into the VX-4000/VX-5500/VX-6000. Requires VX MPI for programming)	$ 346.00
Stock	VME-100	VME-100 BOARD FOR MDC1200 DIGITAL ANI	$ 69.31
Speaker			
	Model	**Description**	**List Price**
Stock	MLS-100	External Speaker (12 Watt Peak)	$ 62.00
Discontinued	MLS-200	12W peak external weatherproof speaker	$ 89.00

VX-2200

Stock	Model	Description	List Price
	VX-2200-D0-25 PKG-1	25W VHF 134-174MHz, 128CH with MH-67A8J Mic-Antenna Not Included	$ 370.00
Stock	VX-2200-D0-50 PKG-1	50W VHF 134-174MHz, 128CH with MH-67A8J Mic-Antenna Not Included	$ 395.00
	VX-2200-G6-25 PKG-1	25W UHF 400-470 MHz, 128CH with MH-67A8J Mic-Antenna Not Included	$ 390.00
	VX-2200-G6-45 PKG-1	45W UHF 400-470 MHz, 128CH with MH-67A8J Mic-Antenna Not Included	$ 420.00
	VX-2200-G7-25 PKG-1	25W UHF 450-512MHz, 128CH with MH-67A8J Mic-Antenna Not Included	$ 390.00
Stock	VX-2200-G7-45 PKG-1	45W UHF 450-512MHz, 128CH with MH-67A8J Mic-Antenna Not Included	$ 420.00

Alignment/Service Related

	Model	Description	List Price
	CT-92	FIF-8 cable to the Mobiles VX-3200/VX-4200/VX-4200/VX-2500. Used for updating firmware using the FIF-8 firmware writer.	$ 23.00

DC Noise Filters

	Model	Description	List Price
Stock	LF-1	Plug-In Line Filter	$ 35.00

Microphone

	Model	Description	List Price
Stock	MD-12A8J	Desktop Microphone	$ 102.00
Stock	MH-67A8J	Standard Microphone	$ 40.00
	MH-75A8J	DTMF Microphone, Black	$ 55.00

Power Supply

	Model	Description	List Price
Stock	FP-1023	External Power Supply 23 Amp	$ 216.88
Programming and Installation			
	Model	**Description**	**List Price**
Stock	CT-104A	Programming pigtail for USB setup-FIF-12 required as well	$ 40.00
Stock	FIF-12	FIF-12 USB Interface for PC programming. Check specific models for additional cable pigtails. Pigtails not included.	$ 150.00
Stock	VX VPL-1	Serial Port Programming cable from PC	$ 87.00
Signaling			
	Model	**Description**	**List Price**
	FVP-25	Encryption Unit (Band Inversion Type) and DTMF Paging. (requires FIF-7 if installed into the VX-4000/VX-5500/VX-6000)	$ 60.00
	FVP-35	Plug-in Rolling Code Encryption. (Requires FIF-7 if installed into the VX-4000/VX-5500/VX-6000. Requires VX MPI for programming)	$ 346.00
Stock	VME-100	VME-100 BOARD FOR MDC1200 DIGITAL ANI	$ 69.31
Speaker			
	Model	**Description**	**List Price**
Stock	MLS-100	External Speaker (12 Watt Peak)	$ 62.00
Discontinued	MLS-200	12W peak external weatherproof speaker	$ 89.00

VX-4100

Stock	Model	Description	List Price
VX-4500 Replaced	VX-4104-0-50 PKG-1	VX-4104-0-50 PKG-1: 50W VHF 134-174MHz 8CH with MH-67A8J Mic-Antenna Not Included	$380.00
VX-4500 Replaced	VX-4107-6-45 PKG-1	VX-4107-6-45 PKG-1: 45W UHF 400-470MHz 8CH with MH-67A8J Mic-Antenna Not Included	$420.00
VX-4500 Replaced	VX-4107-7-45 PKG-1	VX-4107-7-45 PKG-1: 45W UHF 450-512MHz 8CH with MH-67A8J Mic-Antenna Not Included	$420.00

Alignment/Service Related

	Model	Description	List Price
	CT-92	FIF-8 cable to the Mobiles VX-3200/VX-4200/VX-4200/VX-2500. Used for updating firmware using the FIF-8 firmware writer.	$ 23.00

DC Cables

	Model	Description	List Price
	E-DC-22	30 ft DC cable for VX-4000/-5500 mobiles.	$ 80.00

DC Noise Filters

	Model	Description	List Price
Stock	LF-1	Plug-In Line Filter	$ 35.00

Microphone

	Model	Description	List Price
Stock	MD-12A8J	Desktop Microphone	$ 102.00
Stock	MH-67A8J	Standard Microphone	$ 40.00
	MH-75A8J	DTMF Microphone, Black	$ 55.00

Mounting Bracket

	Model	Description	List Price

	MMB-85	Quick Release Mobile Bracket for VX-4100/4200	$75.00
Power Supply			
	Model	**Description**	**List Price**
Stock	FP-1023	External Power Supply 23 Amp	$ 216.88
Programming and Installation			
	Model	**Description**	**List Price**
Stock	CT-104A	Programming pigtail for USB setup-FIF-12 required as well	$ 40.00
Stock	FIF-12	FIF-12 USB Interface for PC programming. Check specific models for additional cable pigtails. Pigtails not included.	$ 150.00
Stock	VX VPL-1	Serial Port Programming cable from PC	$ 87.00
Signaling			
	Model	**Description**	**List Price**
	DVS-5	Digital Voice Storage Board (120 sec. max.)	$ 50.00
	FVP-25	Encryption Unit (Band Inversion Type) and DTMF Paging. (requires FIF-7 if installed into the VX-4000/VX-5500/VX-6000)	$ 60.00
	FVP-35	Plug-in Rolling Code Encryption. (Requires FIF-7 if installed into the VX-4000/VX-5500/VX-6000. Requires VX MPI for programming)	$ 346.00
Stock	VME-100	VME-100 BOARD FOR MDC1200 DIGITAL ANI	$ 69.31
Discontinued	MDC1200	MDC1200 ANI Encoder. Requires FIF-7 if installed into the VX-4000 / VX-5500 / VX-6000. Requires VX MPI for programming.	$ 125.00
Discontinued	SRX-1	Interoperability Receiver Board. This is a UHF Sub-Receiver designed to be installed into the VHF VX-4100 or VX-4200 mobiles (VX-4104, VX-4204).	$ 160.00
		Interoperability Receiver Board. This is a VHF Sub-Receiver designed to be installed into the UHF VX-	

Discontinued	SRX-2	4100 or VX-4200 mobiles (VX-4107, VX-4207).	$ 160.00
Speaker			
	Model	**Description**	**List Price**
Stock	MLS-100	External Speaker (12 Watt Peak)	$ 62.00
Discontinued	MLS-200	12W peak external weatherproof speaker	$ 89.00

VX-4200

Stock	Model	Description	List Price
VX-4600 Replaced	VX-4204-0-50 PKG-1	VX-4204-0-50 PKG-1: 50W VHF 134-174MHz 501CH w/MH-67A8J	$ 469.00
VX-4600 Replaced	VX-4207-6-45 PKG-1	VX-4207-6-45 PKG-1: 45W UHF 400-470MHz 501CH w/MH-67A8J	$ 479.00
VX-4600 Replaced	VX-4207-7-45 PKG-1	VX-4207-7-45 PKG-1: 45W UHF 450-512MHz 501CH w/MH-67A8J	$ 479.00

Alignment/Service Related

	Model	Description	List Price
	CT-92	FIF-8 cable to the Mobiles VX-3200/VX-4200/VX-4200/VX-2500. Used for updating firmware using the FIF-8 firmware writer.	$ 23.00

DC Cables

	Model	Description	List Price
	E-DC-22	30 ft DC cable for VX-4000/-5500 mobiles.	$ 80.00

DC Noise Filters

	Model	Description	List Price
Stock	LF-1	Plug-In Line Filter	$ 35.00

Microphone

	Model	Description	List Price
Stock	MD-12A8J	Desktop Microphone	$ 102.00
Stock	MH-67A8J	Standard Microphone	$ 40.00
	MH-75A8J	DTMF Microphone, Black	$ 55.00

Mounting Bracket

	Model	Description	List Price

	MMB-85	Quick Release Mobile Bracket for VX-4100/4200	$75.00
Power Supply			
	Model	**Description**	**List Price**
Stock	FP-1023	External Power Supply 23 Amp	$ 216.88
Programming and Installation			
	Model	**Description**	**List Price**
Stock	CT-104A	Programming pigtail for USB setup-FIF-12 required as well	$ 40.00
Stock	FIF-12	FIF-12 USB Interface for PC programming. Check specific models for additional cable pigtails. Pigtails not included.	$ 150.00
Stock	VX VPL-1	Serial Port Programming cable from PC	$ 87.00
Signaling			
	Model	**Description**	**List Price**
	DVS-5	Digital Voice Storage Board (120 sec. max.)	$ 50.00
	FVP-25	Encryption Unit (Band Inversion Type) and DTMF Paging. (requires FIF-7 if installed into the VX-4000/VX-5500/VX-6000)	$ 60.00
	FVP-35	Plug-in Rolling Code Encryption. (Requires FIF-7 if installed into the VX-4000/VX-5500/VX-6000. Requires VX MPI for programming)	$ 346.00
Stock	VME-100	VME-100 BOARD FOR MDC1200 DIGITAL ANI	$ 69.31
Discontinued	MDC1200	MDC1200 ANI Encoder. Requires FIF-7 if installed into the VX-4000 / VX-5500 / VX-6000. Requires VX MPI for programming.	$ 125.00
Discontinued	SRX-1	Interoperability Receiver Board. This is a UHF Sub-Receiver designed to be installed into the VHF VX-4100 or VX-4200 mobiles (VX-4104, VX-4204).	$ 160.00

Discontinued	SRX-2	Interoperability Receiver Board. This is a VHF Sub-Receiver designed to be installed into the UHF VX-4100 or VX-4200 mobiles (VX-4107, VX-	$ 160.00
Speaker			
	Model	**Description**	**List Price**
Stock	MLS-100	External Speaker (12 Watt Peak)	$ 62.00
Discontinued	MLS-200	12W peak external weatherproof speaker	$ 89.00

VX-4500

Stock	Model	Description	List Price
Stock	VX-4500-D0-50 PKG-1	50W VHF 134-174 MHz, 8CH with MH-67A8J- Antenna Not Included	$460.00
Stock	VX-4500-G7-45 PKG-1	45W UHF 450-512 MHz, 8CH with MH-67A8J- Antenna Not Included	$460.00
	VX-4500-G6-45 PKG-1	45W UHF 400-470 MHz, 8CH with MH-67A8J- Antenna Not Included	$460.00

DC Noise Filters

	Model	Description	List Price
	LF-6	DC Line Filter	$ 35.00

Microphone

	Model	Description	List Price
Stock	MD-12A8J	Desktop Microphone	$ 102.00
Stock	MH-67A8J	Standard Microphone	$ 40.00
	MH-75A8J	DTMF Microphone, Black	$ 55.00

Power Supply

	Model	Description	List Price
Stock	FP-1023	External Power Supply 23 Amp	$ 216.88

Programming and Installation

	Model	Description	List Price
Stock	CT-104A	Programming pigtail for USB setup-FIF-12 required as well	$ 40.00
	CT-153	Cloning Cable set-to-set for VX-450 to VX-4500/4600	$ 50.00
Stock	FIF-12	FIF-12 USB Interface for PC programming. Check specific models for additional cable pigtails. Pigtails not included.	$ 150.00
	T9101411	CT-4 Cloning Cable	$ 27.61
Stock	VX VPL-1	Serial Port Programming cable from PC	$ 87.00

Remote Mount

	Model	Description	List Price
Stock	CT-156	Remote Cable for RMK-4600 10 ft	$ 80.00
Stock	CT-157	Remote Cable for RMK-4600 16 ft (5 m)	$ 85.00
Stock	CT-158	Remote Cable for RMK-4600 23 ft (7 m)	$ 95.00
Stock	RMK-4600	Remote Mount kit for VX-4500/4600-Connecting cable sold separately-CT-15x	$ 65.00

Signaling

	Model	Description	List Price
Stock	DVS-8	Digital Voice Storage Unit	$ 50.00
Stock	DVS-9	Man Down Board, Voice Storage Unit	$ 100.00

Speaker

	Model	Description	List Price
Stock	MLS-100	External Speaker (12 Watt Peak)	$ 62.00
Discontinued	MLS-200	12W peak external weatherproof speaker	$ 89.00

VX-4600

Stock	Model	Description	List Price
Stock	VX-4600-D0-50 PKG-1	50W VHF 134-174 MHz, 512CH, 32 Groups with MH-67A8J-Antenna Not Included	$510.00
Stock	VX-4600-G7-45 PKG-1	45W UHF 450-512 MHz, 512CH, 32 Groups with MH-67A8J-Antenna Not Included	$510.00
	VX-4600-G6-45 PKG-1	45W UHF 400-470 MHz, 512CH, 32 Groups with MH-67A8J-Antenna Not Included	$510.00

DC Noise Filters

	Model	Description	List Price
	LF-6	DC Line Filter	$ 35.00

Microphone

	Model	Description	List Price
Stock	MD-12A8J	Desktop Microphone	$ 102.00
Stock	MH-67A8J	Standard Microphone	$ 40.00
	MH-75A8J	DTMF Microphone, Black	$ 55.00

Power Supply

	Model	Description	List Price
Stock	FP-1023	External Power Supply 23 Amp	$ 216.88

Programming and Installation

	Model	Description	List Price
Stock	CT-104A	Programming pigtail for USB setup-FIF-12 required as well	$ 40.00
	CT-153	Cloning Cable set-to-set for VX-450 to VX-4500/4600	$ 50.00
Stock	FIF-12	FIF-12 USB Interface for PC programming. Check specific models for additional cable pigtails. Pigtails not included.	$ 150.00

	T9101411	CT-4 Cloning Cable	$ 27.61
Stock	VX VPL-1	Serial Port Programming cable from PC	$ 87.00
Remote Mount			
	Model	**Description**	**List Price**
Stock	CT-156	Remote Cable for RMK-4600 10 ft	$ 80.00
Stock	CT-157	Remote Cable for RMK-4600 16 ft	$ 85.00
Stock	CT-158	Remote Cable for RMK-4600 23 ft	$ 95.00
Stock	RMK-4600	Remote Mount kit for VX-4500/4600-Connecting cable sold separately-CT-15x	$ 65.00
Signaling			
	Model	**Description**	**List Price**
Stock	DVS-8	Digital Voice Storage Unit	$ 50.00
Stock	DVS-9	Man Down Board, Voice Storage Unit	$ 100.00
Speaker			
	Model	**Description**	**List Price**
Stock	MLS-100	External Speaker (12 Watt Peak)	$ 62.00
Discontinued	MLS-200	12W peak external weatherproof speaker	$ 89.00

VX-5500			
Stock	**Model**	**Description**	**List Price**
	VX-5500 REMOTE PKG-DB	VX-5500 Remote PKG-DB: Dual Decks / Single Head - Includes Radios (VHF & UHF), Remote Head, Heavy Duty/Noise-canceling Mic, CT-83 2' control cable and CT-81 20' control cable.	$ 1,594.33
	VX-5500 REMOTE PKG-DBH	VX-5500 Remote PKG-DBH: Dual Decks / Dual Heads - Includes Radios (VHF & UHF), 2 Remote Heads, Heavy Duty/Noise-canceling Mic, CT-83 2' control cable and 2 CT-81 20' control cables.	$ 2,067.33
	VX-5500LA REMOTE PKG-DH	VX-5500LA Remote PKG-DH MH-53C7A: Single Deck / Dual Heads - Includes Radio, 2 Remote Heads, 2 Heavy Duty/Noise-canceling Mics, and 2 CT-81 20' control cable.	$ 1,466.88
	VX-5500LA REMOTE PKG-SH	VX-5500LA Remote PKG-SH MH-53C7A: Single Deck / Single Head - Includes Radio, Remote Head, Heavy Duty/Noise-canceling Mic, and CT-81 20' control cable.	$ 990.33
Stock	VX-5500LA PKG-1	VX-5500LA PKG-1 MH-53C7A: 70W 29.7-37MHz 250CH w/MH-53C7A (Heavy Duty) Mic.	$ 683.33
	VX-5500LB REMOTE PKG-DH	VX-5500LB Remote PKG-DH MH-53C7A: Single Deck / Dual Heads - Includes Radio, 2 Remote Heads, 2 Heavy Duty/Noise-canceling Mics, and 2 CT-81 20' control cable.	$ 1,466.88

	VX-5500LB REMOTE PKG-SH	VX-5500LB Remote PKG-SH MH-53C7A: Single Deck / Single Head - Includes Radio, Remote Head, Heavy Duty/Noise-canceling Mic, and CT-81 20' control cable.	$ 990.33
Stock	VX-5500LB PKG-1	VX-5500LB PKG-1: 70W 37-50MHz 250CH w/MH-53C7A (Heavy Duty) Mic.	$ 683.33
	VX-5500U REMOTE PKG-DH	VX-5500U Remote PKG-DH: Single Deck / Dual Heads - Includes Radio, 2 Remote Heads, 2 Heavy Duty/Noise-canceling Mics, and 2 CT-81 20' control cable.	$ 1,483.55
	VX-5500U REMOTE PKG-SH	VX-5500U Remote PKG-SH: Single Deck / Single Head - Incl. Radio, Remote Head, Heavy Duty/Noise-canceling Mic, and CT-81 20' control cable.	$ 1,007.00
Stock	VX-5500UD PKG-1	VX-5500UD PKG-1: 50W UHF 450-490MHz 250CH w/MH-53C7A (Heavy Duty) Mic.	$ 700.00
	VX-5500V REMOTE PKG-DH	VX-5500V Remote PKG-DH: Single Deck / Dual Heads - Includes Radio, 2 Remote Heads, 2 Heavy Duty/Noise-canceling Mics, and 2 CT-81 20' control cable.	$ 1,466.88
	VX-5500V REMOTE PKG-SH	VX-5500V Remote PKG-SH: Single Deck / Single Head - Includes Radio, Remote Head, Heavy Duty/Noise-canceling Mic, and CT-81 20' control cable.	$ 990.33
Stock	VX-5500VC PKG-1	VX-5500VC PKG-1: 50W VHF 148-174MHz 250CH w/MH-53C7A (Heavy Duty) Mic.	$ 683.33
Alignment/Service Related			

	Model	Description	List Price
	Assembly	Service to VX-5500/6000 Remote Package configurations-Assemble RMK-4000B and RMK-4000H	$ 85.00
	CT-88	The CT-88 cable is used in conjunction with the FIF-8 box to make adjustments to the alignment. This is for the VX-4000/VX-5500/VX-6000 mobiles. The CT-88 connects from the DB25 accessory port of the mobile, to the FIF-8 box interfaced to your PC.	$ 55.00
Base Station			
	Model	**Description**	**List Price**
	BSC-5000	Base Station	$ 1,995.00
Control Head			
	Model	**Description**	**List Price**
	CNT-5000	Compact motorcycle control head for the VX-4000, VX-5500 and VX-6000 mobiles.	$ 499.00
Stock	CNT-6000	Control Head for multi-head configurations. Requires T9206958A for dual head remotes.	$ 175.00
Discontinued	VCS-5000	Channel Selector Control Panel extension	$ 299.00
Cover plate			
	Model	**Description**	**List Price**
Stock	RMK-4000B	Cover plate for the RF Deck in Remote Applications	$ 65.00

Stock	RMK-4000H	Cover plate for the Control Head (Includes mounting bracket and hardware)	$ 105.00
	RMK-5000B	Dedicated Motorcycle Control Head. Built for ease of use and all weather operation.	$ 179.00
DC Cables			
	Model	**Description**	**List Price**
	CT-96PS	Ignition Sense Cable for the VX-4000, VX-5500 and VX-6000 mobiles.	$ 18.33
	E-DC-22	30 ft DC cable for VX-4000/-5500 mobiles.	$ 80.00
DC Noise Filters			
	Model	**Description**	**List Price**
Stock	LF-1	Plug-In Line Filter	$ 35.00
Microphone			
	Model	**Description**	**List Price**
	MD-12A8J/MULTI	Multi Pin must be specified when ordering desktop mic	$ 114.00
	MH-53A7A	The MH-53A7A is a Noise-Canceling Microphone .	$ 103.00
Stock	MH-53A8A	Heavy Duty Weatherproof Noise Canceling DTMF Microphone for the CNT-5000 remote Control Head.	$ 149.00
	MH-53B7A	The MH-53B7A is a Noise-Canceling Microphone with DTMF keypad.	$ 163.00
Stock	MH-53C7A	The MH-53C7A is a Heavy Duty Microphone .	$ 105.00
Mounting Bracket			

	Model	Description	List Price
	MMB-75	Mobile Mounting Bracket (Supplied w/radio)	$ 25.00
	MMB-76	Locking Mobile Mounting Bracket	$ 75.00
	MMB-88	This is a mounting bracket, which is a base plate for the CNT-5000 and MLS-200. The MMB-88 mounts to a motorcycle. The CNT-5000 and MLS-200 then mount to the MMB-88, side by side.	$ 79.00

Power Supply

	Model	Description	List Price
Stock	FP-1023	External Power Supply 23 Amp	$ 216.88

Programming and Installation

	Model	Description	List Price
Stock	CT-105	Programming pigtail for USB setup-FIF-12 required as well	$ 60.00
	CT-70	Radio Programming Cable (Requires VX VPL-1 Cable)	$ 63.00
	CT-72	Cloning Cable (Set-to-Set Clone)	$ 68.00
Stock	FIF-12	FIF-12 USB Interface for PC programming. Check specific models for additional cable pigtails. Pigtails not included.	$ 150.00
Stock	VX VPL-1	Serial Port Programming cable from PC	$ 87.00
Discontinued	VX MPI	Programming Kit for the MDC1200 and the FVP-35	$ 263.00

Remote Cable

	Model	Description	List Price
Stock	CT-81	Remote Cable for RMK-4000 series (20 ft) (RF Deck to Control Head)	$ 90.00
Stock	CT-82	Remote Cable for RMK-4000 series (8 ft) (RF Deck to Control Head)	$ 80.00
Stock	CT-83	Remote Cable for RMK-4000 series (2 ft) (RF Deck to RF Deck)	$ 70.00
Stock	CT-93	Remote Cable for RMK-4000 series (30 ft) (RF Deck to Control Head)	$ 96.34

Signaling

	Model	Description	List Price
	CN-6	Connector Board (to be used with the installation of third-party options.)	$ 16.00
	FIF-7A	Interface Board (for VX-4000 / 5500 / 6000 with FVP-25, FVP-35, F2D-8 & VTP-50 option boards)	$ 37.00
	FVP-25	Encryption Unit (Band Inversion Type) and DTMF Paging. (requires FIF-7 if installed into the VX-4000/VX-5500/VX-6000)	$ 60.00
	FVP-35	Plug-in Rolling Code Encryption. (Requires FIF-7 if installed into the VX-4000/VX-5500/VX-6000. Requires VX MPI for programming)	$ 346.00
Stock	VME-100	VME-100 BOARD FOR MDC1200 DIGITAL ANI	$ 69.31
Discontinued	MDC1200	MDC1200 ANI Encoder. Requires FIF-7 if installed into the VX-4000 / VX-5500 / VX-6000. Requires VX MPI for programming.	$ 125.00

Discontinued	F2D-8	Two-Tone Decoder. (requires FIF-7 if used on the VX-4000 / VX-5500 / VX-6000)	$ 102.00
Discontinued	F5D-14	Five-Tone Enc/Dec Unit. (requires FIF-7 if used on the VX-4000 / VX-5500 / VX-6000)	$ 202.00
Speaker			
	Model	**Description**	**List Price**
Stock	MLS-100	External Speaker (12 Watt Peak)	$ 62.00
Discontinued	MLS-200	12W peak external weatherproof speaker	$ 89.00

VX-6000			
Stock	**Model**	**Description**	**List Price**
	VX-6000 REMOTE PKG-DB	VX-6000 Remote PKG-DB: Dual Decks / Single Head - Includes Radios (VHF & UHF), Remote Head, Heavy Duty/Noise-canceling Mic, CT-83 2' control cable and CT-81 20' control cable.	$ 2,911.00
	VX-6000 REMOTE PKG-DBH	VX-6000 Remote PKG-DBH: Dual Decks / Dual Heads - Includes Radios (VHF & UHF), 2 Remote Heads, 2 Heavy Duty/Noise-canceling Mics, CT-83 2' control cable and 2 CT-81 20' control cables.	$ 3,384.00
	VX-6000L REMOTE PKG-DH	VX-6000L Remote PKG-DH: Single Deck / Dual Heads - Includes Radio, 2 Remote Heads, 2 Heavy Duty/Noise-canceling Mics, and 2 CT-81 20' control cable	$ 2,158.55
	VX-6000L REMOTE PKG-SH	VX-6000L Remote PKG-SH: Single Deck / Single Head - Includes Radio, Remote Head, Heavy Duty/Noise-canceling Mic, and CT-81 20' control cable.	$ 1,416.00
Stock	VX-6000LB PKG-1	VX-6000LB PKG-1: 120W 37-50MHz 250CH w/MH-53C7A (Heavy Duty) Mic.	$ 1,375.00
	VX-6000U REMOTE PKG-DH	VX-6000U REMOTE PKG-Single Deck / Dual Heads - Includes Radio, 2 Remote Heads, 2 Heavy Duty/Noise-canceling Mics, and 2 CT-81 20' control cable.	$ 2,158.55
	VX-6000U REMOTE PKG-SH	VX-6000U Remote PKG-SH: Single Deck / Single Head - Includes Radio, Remote Head, Heavy Duty/Noise-canceling Mic, and CT-81 20' control cable.	$ 1,682.00
Stock	VX-6000UD PKG-1	VX-6000UD PKG-1: 100W 450-490MHz 250CH w/MH-53C7A (Heavy Duty) Mic.	$ 1,375.00
	VX-6000V REMOTE PKG-DH	VX-6000V REMOTE PKG-DH: Single Deck / Dual Heads - Includes Radio, 2 Remote Heads, 2 Heavy Duty/Noise-canceling Mics, and 2 CT-81 20' control cable	$ 2,108.55

	VX-6000V REMOTE PKG-SH	VX-6000V Remote PKG-SH: Single Deck / Single Head - Includes Radio, Remote Head, Heavy Duty/Noise-canceling Mic, and CT-81 20' control cable.	$ 1,632.00
Stock	VX-6000VC PKG-1	VX-6000VC PKG-1: 110W 148-174MHz 250CH w/MH-53C7A (Heavy Duty) Mic.	$ 1,325.00
Alignment/Service Related			
	Model	**Description**	**List Price**
	Assembly	Service to VX-5500/6000 Remote Package configurations-Assemble RMK-4000B and RMK-4000H	$ 85.00
	CT-88	The CT-88 cable is used in conjunction with the FIF-8 box to make adjustments to the alignment. This is for the VX-4000/VX-5500/VX-6000 mobiles. The CT-88 connects from the DB25 accessory port of the mobile, to the FIF-8 box interfaced to your PC.	$ 55.00
Base Station			
	Model	**Description**	**List Price**
	BSC-5000	Base Station	$ 1,995.00
Control Head			
	Model	**Description**	**List Price**
	CNT-5000	Compact motorcycle control head for the VX-4000, VX-5500 and VX-6000 mobiles.	$ 499.00
Stock	CNT-6000	Control Head for multi-head configurations. Requires T9206958A for dual head remotes.	$ 175.00
Cover Plate			
	Model	**Description**	**List Price**

Stock	RMK-4000B	Cover plate for the RF Deck in Remote Applications	$ 65.00
Stock	RMK-4000H	Cover plate for the Control Head (Includes mounting bracket and hardware)	$ 105.00
Stock	RMK-5000B	Dedicated Motorcycle Control Head. Built for ease of use and all weather operation.	$ 179.00
DC Cables			
	Model	**Description**	**List Price**
	CT-96PS Ignition Sense Cable	Ignition Sense Cable for the VX-4000, VX-5500 and VX-6000 mobiles.	$ 18.33
	E-DC-23	30 ft DC cable for VX-6000 mobiles.	$ 160.00
Microphone			
	Model	**Description**	**List Price**
	MD-12A8J/MULTI	Multi Pin must be specified when ordering	$ 114.00
	MH-53A7A	The MH-53A7A is a Noise-Canceling Microphone .	$ 103.00
Stock	MH-53A8A	Heavy Duty Weatherproof Noise Canceling Microphone for the CNT-5000 remote Control Head.	$ 149.00
	MH-53B7A	The MH-53B7A is a Noise-Canceling Microphone with DTMF keypad.	$ 163.00
Stock	MH-53C7A	The MH-53C7A is a Heavy Duty Microphone	$ 105.00
Mounting Bracket			
	Model	**Description**	**List Price**
	MMB-77	Locking Mobile Mounting Bracket for the VX-6000	$ 95.00
	MMB-79	Mobile Mounting Bracket (Supplied w/radio VX-6000)	$ 30.00

	MMB-88	This is a mounting bracket, which is a base plate for the CNT-5000 and MLS-200. The MMB-88 mounts to a motorcycle. The CNT-5000 and MLS-200 then mount to the MMB-88, side by side.	$ 79.00

Programming and Installation

	Model	Description	List Price
Stock	CT-105	Programming pigtail for USB setup-FIF-12 required as well	$ 60.00
	CT-70	Radio Programming Cable (Requires VX VPL-1 Cable)	$ 63.00
	CT-72	Cloning Cable (Set-to-Set Clone)	$ 68.00
Stock	FIF-12	FIF-12 USB Interface for PC programming. Check specific models for additional cable pigtails. Pigtails not included.	$ 150.00
Stock	VX VPL-1	Serial Port Programming cable from PC	$ 87.00
Discontinued	VX MPI	Programming Kit for the MDC1200 and the FVP-35	$ 263.00

Remote Cable

	Model	Description	List Price
Stock	CT-81	Remote Cable for RMK-4000 series (20 ft) (RF Deck to Control Head)	$ 90.00
Stock	CT-82	Remote Cable for RMK-4000 series (8 ft) (RF Deck to Control Head)	$ 80.00
Stock	CT-83	Remote Cable for RMK-4000 series (2 ft) (RF Deck to RF Deck)	$ 70.00
Stock	CT-93	Remote Cable for RMK-4000 series (30 ft) (RF Deck to Control Head)	$ 96.34

Signaling

	Model	Description	List Price

	CN-6	Connector Board (to be used with the installation of third-party options.)	$ 16.00
	FIF-7A	Interface Board (for VX-4000 / 5500 / 6000 with FVP-25, FVP-35, F2D-8 & VTP-50 option boards)	$ 37.00
	FVP-25	Encryption Unit (Band Inversion Type) and DTMF Paging. (requires FIF-7 if installed into the VX-4000/VX-5500/VX-6000)	$ 60.00
	FVP-35	Plug-in Rolling Code Encryption. (Requires FIF-7 if installed into the VX-4000/VX-5500/VX-6000. Requires VX MPI for programming)	$ 346.00
Stock	VME-100	VME-100 BOARD FOR MDC1200 DIGITAL ANI	$ 69.31
Discontinued	MDC1200	MDC1200 ANI Encoder. Requires FIF-7 if installed into the VX-4000 / VX-5500 / VX-6000. Requires VX MPI for programming.	$ 125.00
Discontinued	F2D-8	Two-Tone Decoder. (requires FIF-7 if used on the VX-4000 / VX-5500 / VX-6000)	$ 102.00
Discontinued	F5D-14	Five-Tone Enc/Dec Unit. (requires FIF-7 if used on the VX-4000 / VX-5500 / VX-6000)	$ 202.00
Speaker			
	Model	**Description**	**List Price**
Stock	MLS-100	External Speaker (12 Watt Peak)	$ 62.00
Discontinued	MLS-200	12W peak external weatherproof speaker	$ 89.00

VXR-1000					
Stock	**Model**	**Description**	**List Price**	**1-2**	**3+**
Stock	VXR-1000V PKG-1	50W, 16 Channels,No Mic.	$ 599.00	$ 368.00	$ 355.00
Stock	VXR-1000U PKG-1	50W, 16 Channels,No Mic.	$ 599.00	$ 368.00	$ 355.00
Programming and Installation					
	Model	**Description**	**List Price**	**Dealer**	
	CT-65	Direct Connect Interface Cable	$ 33.00	$ 20.00	
Stock	VX VPL-1	Serial Port Programming cable from PC	$ 87.00	$ 54.00	
Speaker					
	Model	**Description**	**List Price**	**Dealer**	
Stock	MLS-100	External Speaker (12 Watt Peak)	$ 62.00	$ 38.00	
Discontinued	MLS-200	12W peak external weatherproof speaker	$ 89.00	$ 55.00	

VXR-7000					
Stock	**Model**	**Description**	**List Price**	**1-2**	**3+**
Stock	VXR-7000VC PKG-1	50W, 16 Channels,No Mic.	$ 1,650.00	$ 1,015.00	$ 977.00
	VXR-7000VA PKG-1	50W, 16 Channels,No Mic.	$ 1,600.00	$ 984.00	$ 947.00
Stock	VXR-7000UD PKG-1	50W, 16 Channels,No Mic.	$ 1,650.00	$ 1,015.00	$ 977.00
	VXR-7000UA PKG-1	50W, 16 Channels,No Mic.	$ 1,650.00	$ 1,015.00	$ 977.00
Duplexers					
	Model	**Description**	**List Price**	**Dealer**	
Stock	VXD-60VC	50W VHF Duplexer	$ 410.00	$ 252.00	
Stock	VXD-60UD	50W UHF Duplexer	$ 410.00	$ 252.00	
Programming and Installation					
	Model	**Description**	**List Price**	**Dealer**	
Stock	CT-104A	Programming pigtail for USB setup-FIF-10A required as well	$ 40.00	$ 25.00	
Stock	CT-68	Duplexer Installation Kit	$ 63.00	$ 39.00	
Stock	FIF-12	FIF-12 USB Interface for PC programming. Check specific models for additional cable pigtails. Pigtails not included.	$ 150.00	$ 92.00	
	INST-OPT	Installation/Tuning Charge for Duplexer-tuning provided by Vertex technicians in California	$ 85.00	$ 63.00	
	Programming	1st Channel Repeater Programming	$ 85.00	$ 63.00	
Stock	VX VPL-1	Serial Port Programming cable from PC	$ 87.00	$ 54.00	
Microphone					
	Model	**Description**	**List Price**	**Dealer**	
Stock	MD-12A8J	Desktop Microphone	$ 102.00	$ 63.00	

VXR-9000			
Stock	**Model**	**Description**	**List Price**
Stock	VXR-9000VC PKG-1	50W, 32 Channels, No Mic	$ 1,395.00
	VXR-9000VC PKG-2	100W, 32 Channels, No Mic	$ 3,288.00
Stock	VXR-9000UD PKG-1	50W, 32 Channels, No Mic	$ 1,495.00
	VXR-9000UD PKG-2	100W, 32 Channels, No Mic	$ 3,438.00
	VXR-9000UA PKG-1	50W, 32 Channels, No Mic	$ 1,495.00
Duplexers			
	Model	**Description**	**List Price**
Stock	VXD-60VC	50W VHF Duplexer	$ 410.00
Stock	VXD-60UD	50W UHF Duplexer	$ 410.00
Alignment/Service Related			
	Model	**Description**	**List Price**
	FIF-9	Interface unit which allows remote control 4 wire line	$ 145.00
Power Supply			
	Model	**Description**	**List Price**
Stock	FP-31	Internal power supply for 50W VXR-9000	$ 298.00
Programming			
	Model	**Description**	**List Price**
Stock	CT-104A	Programming pigtail for USB setup-FIF-10A required as well	$ 40.00
Stock	FIF-10A	FIF-10A USB Interface for PC programming. Check specific models for additional cable pigtails. Pigtails not included.	$ 150.00
Stock	VX VPL-1	Serial Port Programming cable from PC	$ 87.00
RF Power Amplifiers			

	Model	**Description**	**List Price**
	VPA-9000UD	VPA-9000UD POWER AMPLIFIER Kit, UHF 450-490MHz	$ 1,890.00
	VPA-9000VC	VPA-9000VC POWER AMPLIFIER Kit, VHF 148-174MHz	$ 1,840.00

Signaling/Encryption

	Model	**Description**	**List Price**
	FVP-25	Encryption Unit (Band Inversion Type) and DTMF Paging. (requires FIF-7 if installed into the VX-4000/VX-5500/VX-6000)	$ 60.00
	FVP-35	Plug-in Rolling Code Encryption. (Requires FIF-7 if installed into the VX-4000/VX-5500/VX-6000. Requires VX MPI for programming)	$ 346.00

Trunking Portables - VX-420A			
Stock	**Model**	**Description**	**List Price**
Discontinued	ISVX-427A-4-5 LTR 4Key	UHF LTR 4 Key Intrinsically Safe radio-package includes FNB-V57IS NiCad Battery Only-Charger and Antenna not included	$ 394.00
Discontinued	VX-424A LTR Basic 16 Key	VHF LTR 16 Key with FNB-V94 Battery, ATV-8B Antenna and VAC-20B Charger.	$ 427.00
Discontinued	VX-424A LTR High 16 Key	VHF LTR 16 Key with FNB-V67Li Battery, ATV-8B Antenna and VAC-810B Rapid Charger.	$ 464.00
Discontinued	VX-424A LTR Basic 4 Key	VHF LTR 4 Key with FNB-V94 Battery, ATV-8B Antenna and VAC-20B Charger.	$ 407.00
Discontinued	VX-424A LTR High 4 Key	VHF LTR 4 Key with FNB-V67Li Battery, ATV-8B Antenna and VAC-810B Rapid Charger.	$ 444.00
Discontinued	VX-427A LTR Basic 16 Key	UHF LTR 16 Key with FNB-V94 Battery, ATU-6D Antenna and VAC-20B Charger.	$ 427.00
Discontinued	VX-427A PASSPORT Basic 16 Key	UHF PassPort, 16 Key with FNB-V94 Battery, ATU-6D Antenna and VAC-20B Charger.	$ 427.00
Discontinued	VX-427A LTR High 16 Key	UHF LTR 16 Key with FNB-V67Li Battery, ATU-6D Antenna and VAC-810B Rapid Charger.	$ 464.00
Discontinued	VX-427A PASSPORT High 16 Key	UHF PassPort, 16 Key with FNB-V67Li Battery, ATU-6D Antenna and VAC-810B Rapid Charger.	$ 464.00
Discontinued	VX-427A LTR Basic 4 Key	UHF LTR 4 Key with FNB-V94 Battery, ATU-6D Antenna and VAC-20B Charger.	$ 407.00
Discontinued	VX-427A LTR High 4 Key	UHF LTR 4 Key with FNB-67Li Battery, ATU-6D Antenna and VAC-810B Rapid Charger.	$ 444.00
Discontinued	VX-427A PASSPORT Basic 4 Key	UHF PassPort, 4 Key with FNB-V94 Battery, ATU-6D Antenna and VAC-20B Charger.	$ 407.00
Discontinued	VX-427A PASSPORT High 4 Key	UHF PassPort, 4 Key with FNB-V67Li Battery, ATU-6D Antenna and VAC-810B Rapid Charger.	$ 444.00

Discontinued			
	Model	**Description**	**List Price**
	CN-3	SMA to BNC Adaptor	$ 11.00
	CT-124A	VX-410/420 Firmware Cable. Requires FIF-8	$ 60.00
	CT-124B	VX-410/420 Firmware Cable. Requires FIF-10A	$ 60.00

	FIF-8	Firmware Writer. Unit comes with a cable for the multi-pin radios (VX-900, VX-4000, etc.). Please order the CT-92 cable for firmware updating of modular connector radios (VX-3200, VX-4200, VXR-9000, etc.). Powered by a PA-23B (not supplied).	$ 188.00

Antennas

	Model	Description	List Price
Stock	ATU-6D	Antenna 450-485 MHZ / RED / 6"	$ 14.00
Stock	ATU-6DS	Antenna 450-485 MHz / 3.5"	$ 14.00
	ATU-6F	Antenna 470 - 512 MHz / 5.5"	$ 13.00
	ATV-10A	High Gain antenna, 145-155MHz (Red) / 10.5"	$ 16.00
Stock	ATV-10B	High Gain antenna, 150-160MHz (Brn) / 10.5"	$ 16.00
Stock	ATV-10C	High Gain antenna, 155-165MHz (Blk) / 10.5"	$ 16.00
Stock	ATV-10E	High Gain antenna, 165-175MHz (Org) / 10.5"	$ 16.00
	ATV-6A	Antenna 134-151 MHz / 4"	$ 13.00
Stock	ATV-6B	Antenna 150-163 MHz / 3.5"	$ 15.00
	ATV-6C	Antenna 161-174 MHz / 3.5"	$ 13.00
Stock	ATV-6XL	7" untuned VHF antenna	$ 14.00
	ATV-8A	Antenna 134-150 MHz / Sable / 6"	$ 14.00
Stock	ATV-8B	Antenna 150-163 MHz / Sable / 6"	$ 14.00
	ATV-8C	Antenna 162-174 MHz / Sable / 6"	$ 14.00

Batteries

	Model	Description	List Price
	FBA-25	6 AA Alkaline Battery Case	$ 18.00
Stock	FNB-V57IS	7.2 V 1100 mAh Ni-Cd Battery, Intrinsically Safe Version	$ 85.00
Stock	FNB-V67Li	7.2V 2000 mAh Lithium-Ion Battery (Requires the VAC-810 charger)	$ 50.00
Stock	FNB-V94	7.2V 1800 mAh NiMh Battery	$ 35.00
Stock	BP36257	7.2V 1050 mAh NiCad Aftermarket Battery for FNB-V57	$ 42.60

Belt Clips			
	Model	**Description**	**List Price**
Stock	CLIP-17C	Belt clip	$ 16.00
Cases			
	Model	**Description**	**List Price**
	LCC-420	Leather Case with belt loop	$ 32.00
Stock	LCC-420S	Leather Case with Swivel	$ 42.00
Charger			
	Model	**Description**	**List Price**
Stock	VAC-20B	120V VAC 3-Hour Desktop Charger (Not recommended for use with LiIon Batteries)	$ 38.00
	VAC-20C	240V VAC 3-Hour Desktop Charger (Not recommended for use with LiIon Batteries)	$ 38.00
Stock	VAC-6020B	120V The VAC-6010 is a rugged 6-Unit Multi Charger that enables recharging of Ni-Cd and Ni-MH battery packs	$ 450.00
	VAC-6020C	240V The VAC-6010C is a rugged 6-Unit Multi Charger that enables recharging of Ni-Cd and Ni-MH battery packs	$ 450.00
Stock	VAC-6800B	120V 6 Unit Multi-Rapid Charger	$ 575.00
	VAC-6800C	240V 6 Unit Multi-Rapid Charger	$ 575.00
Stock	VAC-6810B	120V VAC 6 Unit Multi-Rapid Charger	$ 575.00
	VAC-6810C	240V VAC 6 Unit Multi-Rapid Charger	$ 575.00
Stock	VAC-801B	120V VAC 1-Hour Rapid Desktop Charger	$ 60.00
	VAC-801C	240V VAC 1-Hour Rapid Desktop Charger	$ 60.00
Stock	VAC-810B	120V VAC 1.5 Hour Desktop Charger required for the FNB-V67Li High Capacity Battery.	$ 60.00
	VAC-810C	240V VAC 1.5 Hour Desktop Charger required for the FNB-V67Li High Capacity Battery.	$ 60.00
Stock	VCM-1	Vehicular Charger Mounting Adaptor Kit for VAC-800/801	$ 60.00

Stock	VCM-3	Vehicular Charger Mounting Adaptor Kit for VAC-10/VAC-20	$ 60.00
Headsets and Surveillance			
	Model	**Description**	**List Price**
Stock	FEP-10	Light Duty Earphone	$ 11.00
Stock	P3500V	D-Ring Earpiece with in-line Push to Talk	$ 34.00
Stock	P4500V	Over the Ear Swivel with in-line Push to Talk	$ 38.00
Stock	S9500V	Single Wire Surveillance Earpiece with inline Push to Talk	$ 44.00
	VC-25	VOX Headset with Boom Mic	$ 84.00
	VH-110S	Dual Muff Heavy Duty Headset	$ 540.00
	VH-115S	Lightweight Headset with Boom Mic	$ 55.00
	VH-120S	3 Wire Mini Lapel Mic Surveillance Kit	$ 185.00
	VH-130S	2 Wire Palm PTT Surveillance Kit	$ 150.00
Stock	VH-215S	Lightweight Padded Headset, Single Speaker	$ 121.00
	VH-225S	Lightweight Padded Headset, Dual Speaker	$ 137.00
Programming and Installation			
	Model	**Description**	**List Price**
Stock	CT-106	Programming pigtail for USB setup-FIF-12 required as well	$ 40.00
	CT-27A	Radio to radio cloning cable	$ 14.00
Stock	CT-42	Computer to Radio Serial Port/DB9 Programming Cables. (Contains CT-28 + CT-29)	$ 79.00
Stock	FIF-12	FIF-12 USB Interface for PC programming. Check specific models for additional cable pigtails. Pigtails not included.	$ 150.00
	VX MPI	Programming Kit for the MDC1200 and the FVP-35	$ 263.00
Signaling			
	Model	**Description**	**List Price**

	FVP-25	Encryption Unit (Band Inversion Type) and DTMF Paging. (requires FIF-7 if installed into the VX-4000/VX-5500/VX-6000)	$ 60.00
Speaker Microphones			
	Model	**Description**	**List Price**
Stock	MH-360S	Compact Speaker Microphone-Very similar to the MH-34D4B.	$ 21.00
Stock	MH-37A4B	Earpiece Microphone, Light Duty	$ 40.00
Stock	MH-450S	Medium Duty Remote Speaker Microphone	$ 26.67
Stock	MH-45B4B	Heavy Duty Noise Canceling Speaker Microphone-Intrinsically Safe	$ 82.00

Stock	Model
	VHF
	VX-451A-D0 Basic Pkg-1
	VX-451A-D0 High Pkg-1
	VX-454A-D0 Basic Pkg-1
	VX-454A-D0 High Pkg-1
	VX-459A-D0 Basic Pkg-1
	VX-459A-D0 High Pkg-1
	UHF
	VX-451A-G7 Basic Pkg-1
	VX-451A-G6 Basic Pkg-1
	VX-451A-G7 High Pkg-1
	VX-451A-G6 High Pkg-1
	VX-454A-G7 Basic Pkg-1
	VX-454A-G6 Basic Pkg-1
	VX-454A-G7 High Pkg-1
	VX-454A-G6 High Pkg-1
	VX-459A-G7 Basic Pkg-1
	VX-459A-G6 Basic Pkg-1
	VX-459A-G7 High Pkg-1
	VX-459A-G6 High Pkg-1

	Model
	CT-124B

	Model
	ATU-16B
	ATU-16C
Stock	ATU-16D
Stock	ATU-16DS
	ATU-16F
	ATV-16A
Stock	ATV-16B
Stock	ATV-16C
	ATV-16XL

	Model
Stock	FNB-V112LI
Stock	FNB-V113LI

	Model

Stock	CLIP-20
	Model
	LCC-451
	LCC-451H
	LCC-451S
	LCC-451SH
	LCC-454/459
	LCC-454/459H
	LCC-454/459S
	LCC-454/459SH
	Model
Stock	TWC6ML-45
Stock	VAC-450B
	VAC-450C
Stock	VAC-6450B
	VAC-6450C
Stock	VCM-4
	Model
Stock	CT-106
	CT-153
	CT-27A
Stock	CT-42
Stock	FIF-12
	Model
Stock	FEP-10
Stock	MH-37A4B
	MH-81A4B
Stock	P3500V
Stock	P4500V
Stock	S9500V
	VC-25
	VH-110S
	VH-115S
	VH-120S
	VH-130S
	VH-215S
	VH-225S

	Model
Stock	CSS-450

	Model
	DVS-8
	DVS-9

	Model
Stock	MH-360S
Stock	MH-37A4B
Stock	MH-450S
Stock	MH-45B4B
Stock	MH-66A4B

VX-450A

Description	List Price
LTR FNB-V112LI 1170 mAh LiIon Battery, ATV-16B, & VAC-450B Rapid Charger	$ 387.00
LTR FNB-V113LI 2400 mAh LiIon Battery, ATV-16B, & VAC-450B Rapid Charger	$ 417.00
LTR FNB-V112LI 1170 mAh LiIon Battery, ATV-16B, & VAC-450B Rapid Charger	$ 447.00
LTR FNB-V113LI 2400 mAh LiIon Battery, ATV-16B, & VAC-450B Rapid Charger	$ 477.00
LTR FNB-V112LI 1170 mAh LiIon Battery, ATV-16B, & VAC-450B Rapid Charger	$ 507.00
LTR FNB-V113LI 2400 mAh LiIon Battery, ATV-16B, & VAC-450B Rapid Charger	$ 537.00
LTR FNB-V112LI 1170 mAh LiIon Battery, ATU-16D, & VAC-450B Rapid Charger	$ 387.00
LTR FNB-V112LI 1170 mAh LiIon Battery, ATU-16C, & VAC-450B Rapid Charger	$ 387.00
LTR FNB-V113LI 2400 mAh LiIon Battery, ATU-16D, & VAC-450B Rapid Charger	$ 417.00
LTR FNB-V113LI 2400 mAh LiIon Battery, ATU-16C, & VAC-450B Rapid Charger	$ 417.00
LTR FNB-V112LI 1170 mAh LiIon Battery, ATU-16D, & VAC-450B Rapid Charger	$ 447.00
LTR FNB-V112LI 1170 mAh LiIon Battery, ATU-16C, & VAC-450B Rapid Charger	$ 447.00
LTR FNB-V113LI 2400 mAh LiIon Battery, ATU-16D, & VAC-450B Rapid Charger	$ 477.00
LTR FNB-V113LI 2400 mAh LiIon Battery, ATU-16C, & VAC-450B Rapid Charger	$ 477.00
LTR FNB-V112LI 1170 mAh LiIon Battery, ATU-16D, & VAC-450B Rapid Charger	$ 507.00
LTR FNB-V112LI 1170 mAh LiIon Battery, ATU-16C, & VAC-450B Rapid Charger	$ 507.00
LTR FNB-V113LI 2400 mAh LiIon Battery, ATU-16D, & VAC-450B Rapid Charger	$ 537.00
LTR FNB-V113LI 2400 mAh LiIon Battery, ATU-16C, & VAC-450B Rapid Charger	$ 537.00

Alignment/Service Related

Description	List Price
Firmware Cable. Requires FIF-10A/FIF-12	$ 60.00

Antennas

Description	List Price
VX-450 UHF Antenna (400-420 MHz)	$14.00
VX-450 UHF Antenna (420-450 MHz)	$14.00
VX-450 UHF Antenna (450-470 MHz)	$14.00
VX-450 UHF Stubby Antenna (450-470 MHz)	$14.00
VX-450 UHF Antenna (470-512 MHz)	$14.00
VX-450 VHF Antenna (136-150 MHz)	$14.00
VX-450 VHF Antenna (150-162 MHz)	$14.00
VX-450 VHF Antenna (162-174 MHz)	$14.00
VHF Untuned Antenna	$14.00

Batteries

Description	List Price
7.4 Volt 1170 mAh Li-ion Battery Pack	$ 40.00
7.4 Volt 2400 mAh Li-ion Battery Pack	$ 70.00

Belt Clips

Description	List Price

VX-450 Series Belt Clip	$ 10.00

Cases

Description	List Price
Leather Carry Case for Basic FNB-V112LI Battery-Belt Loop Style	$ 32.00
Leather Carry Case for High FNB-V113LI Battery-Belt Loop Style	$ 32.00
Leather Carry Case for Basic FNB-V112LI Battery-Swivel Belt Clip Style	$ 42.00
Leather Carry Case for High FNB-V113LI Battery-Swivel Belt Clip Style	$ 42.00
Leather Carry Case for Basic FNB-V112LI Battery-Belt Loop Style	$ 32.00
Leather Carry Case for High FNB-V113LI Battery-Belt Loop Style	$ 32.00
Leather Carry Case for Basic FNB-V112LI Battery-Swivel Belt Clip Style	$ 42.00
Leather Carry Case for High FNB-V113LI Battery-Swivel Belt Clip Style	$ 42.00

Charger

Description	List Price
Sitech 6 Unit Charger	$ 349.00
Rapid Rate Desktop Charger (PA5B/CD-49)	$ 36.00
240VAC rapid Desktop charger	$ 36.00
VAC-6450B 6 Unit Charger	$ 450.00
240VAC 6 Unit Charger	$ 450.00
Vehicular Charger Mounting Adapter Kit for VAC-450	$ 60.00

Programming and Installation

Description	List Price
Programming pigtail for USB setup-FIF-12 required as well	$ 40.00
Portable-Mobile Clone Lead	$ 50.00
Radio to radio cloning cable	$ 14.00
Computer to Radio Serial Port/DB9 Programming Cables. (Contains CT-28 + CT-29)	$ 79.00
FIF-12 USB Interface for PC programming. Check specific models for additional cable pigtails. Pigtails not included.	$ 150.00

Headsets and Surveillance

Description	List Price
Light Duty Earphone	$ 11.00
Earpiece Microphone, Light Duty	$ 40.00
Voice Activated Headset-Submersible	$ 160.00
D-Ring Earpiece with in-line Push to Talk	$ 34.00
Over the Ear Swivel with in-line Push to Talk	$ 38.00
Single Wire Surveillance Earpiece with inline Push to Talk	$ 44.00
VOX Headset with Boom Mic	$ 84.00
Dual Muff Heavy Duty Headset	$ 540.00
Lightweight Headset with Boom Mic	$ 55.00
3 Wire Mini Lapel Mic Surveillance Kit	$ 185.00
2 Wire Palm PTT Surveillance Kit	$ 150.00
Lightweight Padded Headset, Single Speaker	$ 121.00
Dual Muff Padded Headset	$ 137.00

Miscellaneous

Description	List Price
Channel Selector Stopper Kit	$ 5.00

Signaling

Description	List Price
Digital Voice Storage Unit	$ 50.00
Man Down Board, Voice Storage Unit	$ 100.00

Speaker Microphones

Description	List Price
Compact Speaker Microphone-Very similar to the MH-34D4B.	$ 21.00
Earpiece Microphone, Light Duty	$ 40.00
Medium Duty Remote Speaker Microphone	$ 26.67
Heavy Duty Noise Canceling Speaker Microphone-Intrinsically Safe	$ 82.00
IP57 Submersible Remote Speaker Mic	$ 92.00

Trunking Mobiles - VX-2200A

Stock	Model	Description	List Price
Stock	VX-2200-AG7H LTR PKG-1	45W UHF 450-512MHz, 128CH with MH-67A8J Mic-Antenna Not Included	$ 425.00
	VX-2200-AG7H PAS PKG-1	45W UHF 450-512MHz, 128CH with MH-67A8J Mic-Antenna Not Included	$ 425.00
Stock	VX-2200-AD0H LTR PKG-1	50W VHF 134-174MHz, 128CH with MH-67A8J Mic-Antenna Not Included	$ 400.00

Alignment/Service Related

	Model	Description	List Price
	CT-92	FIF-8 cable to the Mobiles VX-3200/VX-4200/VX-4200/VX-2500. Used for updating firmware using the FIF-8 firmware writer.	$ 23.00

DC Noise Filters

	Model	Description	List Price
Stock	LF-1	Plug-In Line Filter	$ 35.00

Microphone

	Model	Description	List Price
Stock	MD-12A8J	Desktop Microphone	$ 102.00
Stock	MH-67A8J	Standard Microphone	$ 40.00
	MH-75A8J	DTMF Microphone, Black	$ 55.00

Power Supply

	Model	Description	List Price
Stock	FP-1023	External Power Supply 23 Amp	$ 216.88

Programming and Installation

	Model	Description	List Price
Stock	CT-104A	Programming pigtail for USB setup-FIF-12 required as well	$ 40.00
Stock	FIF-12	FIF-12 USB Interface for PC programming. Check specific models for additional cable pigtails. Pigtails not included.	$ 150.00
Stock	VX VPL-1	Serial Port Programming cable from PC	$ 87.00
Signaling			
	Model	**Description**	**List Price**
	FVP-25	Encryption Unit (Band Inversion Type) and DTMF Paging. (requires FIF-7 if installed into the VX-4000/VX-5500/VX-6000)	$ 60.00
	FVP-35	Plug-in Rolling Code Encryption. (Requires FIF-7 if installed into the VX-4000/VX-5500/VX-6000. Requires VX MPI for programming)	$ 346.00
Stock	VME-100	VME-100 BOARD FOR MDC1200 DIGITAL ANI	$ 69.31
Speaker			
	Model	**Description**	**List Price**
Stock	MLS-100	External Speaker (12 Watt Peak)	$ 62.00
Discontinued	MLS-200	12W peak external weatherproof speaker	$ 89.00

VX-4500

Stock	Model	Description	List Price
	VX-4500A-D0-50 PKG-1	LTR 50W VHF 134-174 MHz, 8CH with MH-67A8J-Antenna Not Included	$510.00
	VX-4500A-G7-45 PKG-1	LTR 45W UHF 450-512 MHz, 8CH with MH-67A8J-Antenna Not Included	$510.00
	VX-4500A-G6-45 PKG-1	LTR 45W UHF 400-470 MHz, 8CH with MH-67A8J-Antenna Not Included	$510.00

Microphone

	Model	Description	List Price
Stock	MD-12A8J	Desktop Microphone	$ 102.00
Stock	MH-67A8J	Standard Microphone	$ 40.00
	MH-75A8J	DTMF Microphone, Black	$ 55.00

Power Supply

	Model	Description	List Price
Stock	FP-1023	External Power Supply 23 Amp	$ 216.88

Programming and Installation

	Model	Description	List Price
Stock	CT-104A	Programming pigtail for USB setup-FIF-12 required as well	$ 40.00
	CT-153	Portable-Mobile Clone Lead	$ 50.00
Stock	FIF-12	FIF-12 USB Interface for PC programming. Check specific models for additional cable pigtails. Pigtails not included.	$ 150.00
	T9101411	CT-4 Cloning Cable	$ 27.61
Stock	VX VPL-1	Serial Port Programming cable from PC	$ 87.00

Remote Mount

	Model	Description	List Price
Stock	CT-156	Remote Cable for RMK-4600 10 ft	$ 80.00
Stock	CT-157	Remote Cable for RMK-4600 16 ft	$ 85.00
Stock	CT-158	Remote Cable for RMK-4600 23 ft	$ 95.00
Stock	RMK-4600	Remote Mount kit for VX-4500/4600-Connecting cable sold separately-CT-15x	$ 65.00

Signaling

	Model	Description	List Price
Stock	DVS-8	Digital Voice Storage Unit	$ 50.00

Speaker

	Model	Description	List Price
Stock	MLS-100	External Speaker (12 Watt Peak)	$ 62.00
Discontinued	MLS-200	12W peak external weatherproof speaker	$ 89.00

VX-4600

Stock	Model	Description	List Price	6-11
	VX-4600A-D0-50 PKG-1	LTR 50W VHF 134-174 MHz, 512CH, 32 Groups with MH-67A8J-Antenna Not Included	$560.00	$ 342.00
	VX-4600A-G7-45 PKG-1	LTR 45W UHF 450-512 MHz, 512CH, 32 Groups with MH-67A8J-Antenna Not Included	$560.00	$ 342.00
	VX-4600A-G6-45 PKG-1	LTR 45W UHF 400-470 MHz, 512CH, 32 Groups with MH-67A8J-Antenna Not Included	$560.00	$ 342.00

Microphone

	Model	Description	List Price
Stock	MD-12A8J	Desktop Microphone	$ 102.00
Stock	MH-67A8J	Standard Microphone	$ 40.00
	MH-75A8J	DTMF Microphone, Black	$ 55.00

Power Supply

	Model	Description	List Price
Stock	FP-1023	External Power Supply 23 Amp	$ 216.88

Programming and Installation

	Model	Description	List Price
Stock	CT-104A	Programming pigtail for USB setup-FIF-12 required as well	$ 40.00
	CT-153	Portable-Mobile Clone Lead	$ 50.00
Stock	FIF-12	FIF-12 USB Interface for PC programming. Check specific models for additional cable pigtails. Pigtails not included.	$ 150.00
	T9101411	CT-4 Cloning Cable	$ 27.61
Stock	VX VPL-1	Serial Port Programming cable from PC	$ 87.00

Remote Mount

	Model	Description	List Price
Stock	CT-156	Remote Cable for RMK-4600 10 ft	$ 80.00
Stock	CT-157	Remote Cable for RMK-4600 16 ft	$ 85.00
Stock	CT-158	Remote Cable for RMK-4600 23 ft	$ 95.00
Stock	RMK-4600	Remote Mount kit for VX-4500/4600-Connecting cable sold separately-CT-15x	$ 65.00

Signaling

	Model	Description	List Price
Stock	DVS-8	Digital Voice Storage Unit	$ 50.00

Speaker

	Model	Description	List Price
Stock	MLS-100	External Speaker (12 Watt Peak)	$ 62.00
Discontinued	MLS-200	12W peak external weatherproof speaker	$ 89.00

12+
$ 324.00
$ 324.00
$ 324.00

VX-P820			
Stock	**Model**	**Description**	**List Price**
	ISVX-P821-D0-5 Pkg-1	Intrinsically Safe VX-P821 VHF 134-174MHz Portable Radio-INCLUDES BATTERY - ORDER ANTENNA & CHARGER SEPARATELY	$ 1,850.00
	ISVX-P821-G6-5 Pkg-1	Intrinsically Safe VX-P821 UHF 400-470MHz Portable Radio-INCLUDES BATTERY - ORDER ANTENNA & CHARGER SEPARATELY	$ 1,950.00
	ISVX-P821-G7-5 Pkg-1	Intrinsically Safe VX-P821 VHF 450-512MHz Portable Radio-INCLUDES BATTERY - ORDER ANTENNA & CHARGER SEPARATELY	$ 1,950.00
	ISVX-P821-G8-5 Pkg-1	Intrinsically Safe VX-P821 VHF 380-450MHz Portable Radio-INCLUDES BATTERY - ORDER ANTENNA & CHARGER SEPARATELY	$ 1,950.00
	ISVX-P824-D0-5 Pkg-1	Intrinsically Safe VX-P824 VHF 134-174MHz Portable Radio-INCLUDES BATTERY - ORDER ANTENNA & CHARGER SEPARATELY	$ 1,970.00
	ISVX-P824-G6-5 Pkg-1	Intrinsically Safe VX-P824 VHF 400-470MHz Portable Radio-INCLUDES BATTERY - ORDER ANTENNA & CHARGER SEPARATELY	$ 2,070.00
	ISVX-P824-G7-5 Pkg-1	Intrinsically Safe VX-P824 VHF 450-512MHz Portable Radio-INCLUDES BATTERY - ORDER ANTENNA & CHARGER SEPARATELY	$ 2,070.00
	ISVX-P824-G8-5 Pkg-1	Intrinsically Safe VX-P824 VHF 380-450MHz Portable Radio-INCLUDES BATTERY - ORDER ANTENNA & CHARGER SEPARATELY	$ 2,070.00
	ISVX-P829-D0-5 Pkg-1	Intrinsically Safe VX-P829 VHF 134-174MHz Portable Radio-INCLUDES BATTERY - ORDER ANTENNA & CHARGER SEPARATELY	$ 2,150.00
	ISVX-P829-G6-5 Pkg-1	Intrinsically Safe VX-P829 VHF 400-470MHz Portable Radio-INCLUDES BATTERY - ORDER ANTENNA & CHARGER SEPARATELY	$ 2,250.00
	ISVX-P829-G7-5 Pkg-1	Intrinsically Safe VX-P829 VHF 450-512MHz Portable Radio-INCLUDES BATTERY - ORDER ANTENNA & CHARGER SEPARATELY	$ 2,250.00

	ISVX-P829-G8-5 Pkg-1	Intrinsically Safe VX-P829 VHF 380-450MHz Portable Radio-INCLUDES BATTERY - ORDER ANTENNA & CHARGER SEPARATELY	$ 2,250.00
	VX-P821-D0-5 Pkg-1	VX-P821 VHF 150-163MHz Portable radio - Includes FNB-V87LI Battery and ATV-8B Antenna (order Battery Charger separately)	$ 1,694.00
	VX-P821-D0-5 Pkg-2	VX-P821 VHF 162-174MHz Portable radio - Includes FNB-V87LI Battery and ATV-8C Antenna (order Battery Charger separately)	$ 1,694.00
	VX-P821-G6-5 Pkg-1	VX-P821 UHF 400-470MHz Portable radio - Includes FNB-V87LI Battery and ATU-6A Antenna (order Battery Charger separately)	$ 1,794.00
	VX-P821-G7-5 Pkg-1	VX-P821 UHF 450-512MHz Portable radio - Includes FNB-V87LI Battery and ATU-6D Antenna (order Battery Charger separately)	$ 1,794.00
	VX-P821-G8-5 Pkg-1	VX-P821 UHF 380-450MHz Portable radio - Includes FNB-V87LI Battery and ATU-6A Antenna (order Battery Charger separately)	$ 1,794.00
	VX-P824-D0-5 Pkg-1	VX-P824 VHF 150-163MHz Portable radio - Includes FNB-V87LI Battery and ATV-8B Antenna (order Battery Charger separately)	$ 1,814.00
	VX-P824-D0-5 Pkg-2	VX-P824 VHF 162-174MHz Portable radio - Includes FNB-V87LI Battery and ATV-8C Antenna (order Battery Charger separately)	$ 1,814.00
	VX-P824-G6-5 Pkg-1	VX-P824 UHF 400-470MHz Portable radio - Includes FNB-V87LI Battery and ATU-6A Antenna (order Battery Charger separately)	$ 1,914.00
	VX-P824-G7-5 Pkg-1	VX-P824 UHF 450-512 MHz Portable radio - Includes FNB-V87LI Battery and ATU-6D Antenna (order Battery Charger separately)	$ 1,914.00
	VX-P824-G8-5 Pkg-1	VX-P824 UHF 380-450MHz Portable radio - Includes FNB-V87LI Battery and ATU-6A Antenna (order Battery Charger separately)	$ 1,914.00
	VX-P829-D0-5 Pkg-1	VX-P829 VHF 150-163MHz Portable radio - Includes FNB-V87LI Battery and ATV-8B Antenna (order Battery Charger separately)	$ 1,994.00

	VX-P829-D0-5 Pkg-2	VX-P829 VHF 162-174MHz Portable radio - Includes FNB-V87LI Battery and ATV-8C Antenna (order Battery Charger separately)	$ 1,994.00
	VX-P829-G6-5 Pkg-1	VX-P829 UHF 400-470MHz Portable radio - Includes FNB-V87LI Battery and ATU-6A Antenna (order Battery Charger separately)	$ 2,094.00
	VX-P829-G7-5 Pkg-1	VX-P829 UHF 450-512MHz Portable radio - Includes FNB-V87LI Battery and ATU-6D Antenna (order Battery Charger separately)	$ 2,094.00
	VX-P829-G8-5 Pkg-1	VX-P829 UHF 380-450MHz Portable radio - Includes FNB-V87LI Battery and ATU-6A Antenna (order Battery Charger separately)	$ 2,094.00

Alignment/Service Related

	Model	**Description**	**List Price**
	CN-3	SMA to BNC Adaptor	$ 11.00
	CT-110	Firmware writing cable (For use with the FIF-8)	$ 65.00
	FIF-8	Firmware Writer. Unit comes with a cable for the multi-pin radios (VX-900, VX-4000, etc.). Please order the CT-92 cable for firmware updating of modular connector radios (VX-3200, VX-4200, VXR-9000, etc.). Powered by a PA-23B (not supplied).	$ 188.00

Alkaline Battery Cases

	Model	**Description**	**List Price**
	FBA-34	Alkaline Battery Case VX-820/920 Series	$ 45.00

Antennas

	Model	**Description**	**List Price**
Stock	ATU-6D	Antenna 450-485 MHZ / RED / 6"	$ 14.00
Stock	ATU-6DS	Antenna 450-485 MHz / 3.5"	$ 14.00
	ATU-6F	Antenna 470 - 512 MHz / 5.5"	$ 13.00
	ATV-10A	High Gain antenna, 145-155MHz (Red) / 10.5"	$ 16.00

Stock	ATV-10B	High Gain antenna, 150-160MHz (Brn) / 10.5"	$ 16.00
Stock	ATV-10C	High Gain antenna, 155-165MHz (Blk) / 10.5"	$ 16.00
Stock	ATV-10E	High Gain antenna, 165-175MHz (Org) / 10.5"	$ 16.00
	ATV-6A	Antenna 134-151 MHz / 4"	$ 13.00
Stock	ATV-6B	Antenna 150-163 MHz / 3.5"	$ 15.00
	ATV-6C	Antenna 161-174 MHz / 3.5"	$ 13.00
Stock	ATV-6XL	7" untuned VHF antenna	$ 14.00
	ATV-8A	Antenna 134-150 MHz / Sable / 6"	$ 14.00
Stock	ATV-8B	Antenna 150-163 MHz / Sable / 6"	$ 14.00
	ATV-8C	Antenna 162-174 MHz / Sable / 6"	$ 14.00
	ATW-1A	Dual-band antenna for multi-band Rx: 134-151MHz / 450-520MHz	$ 28.00
	ATW-1B	Dual-band antenna for multi-band Rx: 150-163MHz / 450-520MHz	$ 28.00
	ATW-1C	Dual-band antenna for multi-band Rx: 161-174MHz / 450-520MHz	$ 28.00
Batteries			
	Model	**Description**	**List Price**
	FNB-V86LI	7.4 V 1150mAh Li-ion Battery	$ 64.00
Stock	FNB-V87LI	7.4V 2000mAh Li-ion Battery	$ 80.00
Stock	FNB-V92LI	7.4V 3000mAh Li-ion Battery	$ 140.00
Stock	FNB-V92LIIS	7.4V 3000mAH Intrinsically Safe Li-ion Battery	$ 160.00
Belt Clip			
	Model	**Description**	**List Price**
Stock	CLIP-17B	Swivel Belt Clip	$ 16.00
	CLIP-820	Belt Clip	$ 10.00
Cases			
	Model	**Description**	**List Price**
	LCC-920H	Leather case with belt loop. For use with VX-921/P921 and FNB - V92LI (and IS) battery.	$ 32.00
	LCC-920TT	Leather Case w/Belt Loop and Keypad Cut-out	$ 32.00

	LCC-920H/TT	Leather case with belt loop. For use with VX-929/P929 and FNB - V92LI (and IS) battery.	$ 32.00
	LCC-920S	Leather Case with Swivel and Belt Loop	$ 42.00
	LCC-920S/TT	Leather case w/ Swivel Clip and Keyboard Cut-Out	$ 42.00
	LCC-920SH	Leather case with D Swivel. For use with VX-921/P921 and FNB - V92LI (and IS) battery.	$ 42.00
Stock	LCC-920SH/TT	Leather case with D swivel. For use with VX-929/P929 and FNB - V92LI (and IS) battery.	$ 42.00
LCC-920SH/TT Replaced	LCC-920SH/4K	Leather case with D swivel. For use with VX-924/P924 and FNB - V92LI (and IS) battery.	$ 32.00
LCC-920SH Replaced	LCC-920SN1C	Nylon Case, Swivel Clip, No Window for VX-921/971 & VX-P921/971 Series. Works with any of our rechargeable battery packs even the 3000mAh FNB-V92LI (and LIIS)!	$ 30.00
LCC-920SH Replaced	LCC-920SN1D	Nylon Case, Metal D Swivel, Leather Belt Loop, No Window for VX-921/971 & VX-P921/P971 Series. Works with any of our rechargeable battery packs even the 3000mAh FNB-V92LI (and LIIS)	$ 36.00
LCC-920SH/TT Replaced	LCC-920SN2C	Nylon Case, Swivel Clip, 1/2 Window for VX-924/974 & VX-P924/P974 Series. Works with any of our rechargeable battery packs even the 3000mAh FNB-V92LI (and LIIS)	$ 30.00
LCC-920SH/TT Replaced	LCC-920SN2D	Nylon Case, Metal D Swivel, Leather Belt Loop, 1/2 Window for VX-924/974 & VX-P924/P974 Series. Works with any of our rechargeable battery packs even the 3000mAh FNB-V92LI (and LIIS)	$ 36.00
LCC-920SH/TT Replaced	LCC-920SN3C	Nylon Case, Swivel Clip, Full Window for VX-929/979 & VX-P929/P979 Series. Works with any of our rechargeable battery packs even the 3000mAh FNB-V92LI (and LIIS)	$ 30.00

LCC-920SH/TT Replaced	LCC-920SN3D	Nylon Case, Metal D swivel, Leather Belt Loop, Full Window for VX-929/979 & VX-P929/P979 Series. Works with any of our rechargeable battery packs even the 3000mAh FNB-V92LI (and LIIS)	$ 36.00
LCC-920H/TT Replaced	LCC-920H/4K	Leather case with belt loop. For use with VX-924/P924 and FNB - V92LI (and IS) battery.	$ 32.00
Charger			
	Model	**Description**	**List Price**
Stock	VAC-6920B	120V 6 unit Multi-Rapid Charger with US power cable	$ 575.00
	VAC-6920C	240V 6 unit Multi-Rapid Charger with Euro power cable	$ 575.00
Stock	VAC-921B	120 VAC Desktop Rapid charger	$ 64.00
	VAC-921C	240 VAC Desk top rapid charger	$ 64.00
Stock	VCM-2	Vehicular Charger Mounting Adapter Kit for VAC-920-CD-31 charging tray required	$ 60.00
Encryption			
	AES/DES Encryption	Factory install option. AES/DES Encryption system for P25 Mobiles and Portables. Order Keyloader cables separately.	$ 550.00
Headsets and Surveillance			
	Model	**Description**	**List Price**
	VH-111	Heavy Duty, Dual Muff, Over the head style, with Boom Mic	$ 400.00
	VH-115L	Behind the Head, Lightweight	$ 98.00
	VH-121	3 Wire Mini Lapel Mic Surveillance Kit	$ 215.00
	VH-131	2-Wire Palm Kit	$ 187.00
Programming and Installation			

	Model	Description	List Price
	CK-10 FIELD PROGRAMMING KEY	Used with 16 key P25 Portable radios to enable Field Programming. Radios must be programmed with F version of CE76 which allows assignment of various items available for Field Programming.	$ 75.00
Stock	CT-108	Programming pigtail for USB setup-FIF-12 required as well	$ 65.00
Stock	CT-109	PC Programming kit (Contains a VPL-1 programming cable and adaptor for the new VX-820/920 portables)	$ 112.00
	CT-110	Firmware writing cable (For use with the FIF-8)	$ 65.00
	CT-115	Programming cable pigtail only (requires VPL-1)	$ 63.00
	CT-116	Radio to Radio Programming Cable	$ 65.00
	CT-127	Keyloader adapter cable for VX-P820/870 & VX-P920/970 series P25 radios with encryption option. Requires CT-129 or Motorola TKN8531C.	$ 50.00
	CT-129	Keyloader interface cable for KVL-3000+. Use with either CT-127 (for Portables) or CT-128 (for Mobiles) for programming encryption keys into radio.	$ 199.00
Stock	FIF-12	FIF-12 USB Interface for PC programming. Check specific models for additional cable pigtails. Pigtails not included.	$ 150.00
Discontinued	VX MPI	Programming Kit for the MDC1200 and the FVP-35	$ 263.00

Speaker Microphones

	Model	Description	List Price
Stock	MH-50D7A	Public Safety Speaker Microphone with toggle, MIL-STD Rated	$ 94.00
Stock	MH-66A7A	MH-66A7A Submersible Noise Canceling Speaker Microphone	$ 92.00

	MH-66B7A	MH-66B7A Submersible Speaker Microphone with 2 Programmable Function Keys and Audio Attenuator Switch.	$ 180.00

VX-P920					
Stock	**Model**	**Description**	**List Price**	**6-11**	**12+**
	ISVX-P921-D0-5 Pkg-1	Intrinsically Safe VX-P921 VHF 134-174MHz Portable radio-FNB-V92LiIS Battery included- ORDER ANTENNA & CHARGER SEPARATELY	$ 1,650.00	$ 977.00	$ 928.00
	ISVX-P921-G6-5 Pkg-1	Intrinsically Safe VX-P921 UHF 400-470MHz Portable radio-FNB-V92LiIS Battery included- ORDER ANTENNA & CHARGER SEPARATELY	$ 1,750.00	$ 1,036.00	$ 984.00
	ISVX-P921-G7-5 Pkg-1	Intrinsically Safe VX-P921 UHF 450-512MHz Portable radio-FNB-V92LiIS Battery included- ORDER ANTENNA & CHARGER SEPARATELY	$ 1,750.00	$ 1,036.00	$ 984.00
	ISVX-P921-G8-5 Pkg-1	Intrinsically Safe VX-P921 UHF 380-450MHz Portable radio-FNB-V92LiIS Battery included- ORDER ANTENNA & CHARGER SEPARATELY	$ 1,750.00	$ 1,036.00	$ 984.00
	ISVX-P924-D0-5 Pkg-1	Intrinsically Safe VX-P924 VHF 134-174MHz Portable radio-FNB-V92LiIS Battery included- ORDER ANTENNA & CHARGER SEPARATELY	$ 1,770.00	$ 1,048.00	$ 995.00
	ISVX-P924-G6-5 Pkg-1	Intrinsically Safe VX-P924 UHF 400-470MHz Portable radio-FNB-V92LiIS Battery included- ORDER ANTENNA & CHARGER SEPARATELY	$ 1,870.00	$ 1,107.00	$ 1,052.00
	ISVX-P924-G7-5 Pkg-1	Intrinsically Safe VX-P924 UHF 450-512MHz Portable radio-FNB-V92LiIS Battery included- ORDER ANTENNA & CHARGER SEPARATELY	$ 1,870.00	$ 1,107.00	$ 1,052.00
	ISVX-P924-G8-5 Pkg-1	Intrinsically Safe VX-P924 UHF 380-450MHz Portable radio-FNB-V92LiIS Battery included- ORDER ANTENNA & CHARGER SEPARATELY	$ 1,870.00	$ 1,107.00	$ 1,052.00

	ISVX-P929-D0-5 Pkg-1	Intrinsically Safe VX-P929 VHF 134-174MHz Portable radio-FNB-V92LiIS Battery included-ORDER ANTENNA & CHARGER SEPARATELY	$ 1,950.00	$ 1,154.00	$ 1,097.00
	ISVX-P929-G6-5 Pkg-1	Intrinsically Safe VX-P929 UHF 400-470MHz Portable radio-FNB-V92LiIS Battery included-ORDER ANTENNA & CHARGER SEPARATELY	$ 2,050.00	$ 1,213.00	$ 1,153.00
	ISVX-P929-G7-5 Pkg-1	Intrinsically Safe VX-P929 UHF 450-512MHz Portable radio-FNB-V92LiIS Battery included-ORDER ANTENNA & CHARGER SEPARATELY	$ 2,050.00	$ 1,213.00	$ 1,153.00
	ISVX-P929-G8-5 Pkg-1	Intrinsically Safe VX-P929 UHF 380-450MHz Portable radio-FNB-V92LiIS Battery included-ORDER ANTENNA & CHARGER SEPARATELY	$ 2,050.00	$ 1,213.00	$ 1,153.00
	VX-P921-D0-5 Pkg-1	VX-P921 VHF 150-163MHz Portable radio - Includes FNB-V87LI Battery and ATV-8B Antenna (order Battery Charger separately)	$ 1,494.00	$ 884.00	$ 840.00
	VX-P921-D0-5 Pkg-2	VX-P921 VHF 162-174MHz Portable radio - Includes FNB-V87LI Battery and ATV-8C Antenna (order Battery Charger separately)	$ 1,494.00	$ 884.00	$ 840.00
	VX-P921-G6-5 Pkg-1	VX-P921 UHF 400-470MHz Portable radio - Includes FNB-V87LI Battery and ATU-6A Antenna (order Battery Charger separately)	$ 1,594.00	$ 944.00	$ 896.00
	VX-P921-G7-5 Pkg-1	VX-P921 UHF 450-485MHz Portable radio - Includes FNB-V87LI Battery and ATU-6D Antenna (order Battery Charger separately)	$ 1,594.00	$ 944.00	$ 896.00
	VX-P921-G8-5 Pkg-1	VX-P921 UHF 380-430MHz Portable radio - Includes FNB-V87LI Battery and ATU-6A Antenna (order Battery Charger separately)	$ 1,594.00	$ 944.00	$ 896.00
	VX-P924-D0-5 Pkg-1	VX-P924 VHF 150-163MHz Portable radio - Includes FNB-V87LI Battery and ATV-8B Antenna (order Battery Charger separately)	$ 1,614.00	$ 955.00	$ 908.00
	VX-P924-D0-5 Pkg-2	VX-P924 VHF 162-174MHz Portable radio - Includes FNB-V87LI Battery and ATV-8C Antenna (order Battery Charger separately)	$ 1,614.00	$ 955.00	$ 908.00

	VX-P924-G6-5 Pkg-1	VX-P924 UHF 400-470MHz Portable radio - Includes FNB-V87LI Battery and ATU-6A Antenna (order Battery Charger separately)	$ 1,714.00	$ 1,015.00	$ 964.00
	VX-P924-G7-5 Pkg-1	VX-P924 UHF 450-485MHz Portable radio - Includes FNB-V87LI Battery and ATU-6D Antenna (order Battery Charger separately)	$ 1,714.00	$ 1,015.00	$ 964.00
	VX-P924-G8-5 Pkg-1	VX-P924 UHF 380-430MHz Portable radio - Includes FNB-V87LI Battery and ATU-6A Antenna (order Battery Charger separately)	$ 1,714.00	$ 1,015.00	$ 964.00
	VX-P929-D0-5 Pkg-1	VX-P929 VHF 150-163MHz Portable radio - Includes FNB-V87LI Battery and ATV-8B Antenna (order Battery Charger separately)	$ 1,794.00	$ 1,062.00	$ 1,009.00
	VX-P929-D0-5 Pkg-2	VX-P929 VHF 162-174MHz Portable radio - Includes FNB-V87LI Battery and ATV-8C Antenna (order Battery Charger separately)	$ 1,794.00	$ 1,062.00	$ 1,009.00
	VX-P929-G6-5 Pkg-1	VX-P929 UHF 400-470MHz Portable radio - Includes FNB-V87LI Battery and ATU-6A Antenna (order Battery Charger separately)	$ 1,894.00	$ 1,121.00	$ 1,065.00
	VX-P929-G7-5 Pkg-1	VX-P929 UHF 450-485MHz Portable radio - Includes FNB-V87LI Battery and ATU-6D Antenna (order Battery Charger separately)	$ 1,894.00	$ 1,121.00	$ 1,065.00
	VX-P929-G8-5 Pkg-1	VX-P929 UHF 380-430MHz Portable radio - Includes FNB-V87LI Battery and ATU-6A Antenna (order Battery Charger separately)	$ 1,894.00	$ 1,121.00	$ 1,065.00

Alignment/Service Related

	Model	Description	List Price
	CN-3	SMA to BNC Adaptor	$ 11.00
	CT-110	Firmware writing cable (For use with the FIF-8)	$ 65.00
	FIF-8	Firmware Writer. Unit comes with a cable for the multi-pin radios (VX-900, VX-4000, etc.). Please order the CT-92 cable for firmware updating of modular connector radios (VX-3200, VX-4200, VXR-9000, etc.). Powered by a PA-23B (not supplied).	$ 188.00

Alkaline Battery Cases			
	Model	**Description**	**List Price**
	FBA-34	Alkaline Battery Case VX-820/920 Series	$ 45.00
Antennas			
	Model	**Description**	**List Price**
Stock	ATU-6D	Antenna 450-485 MHZ / RED / 6"	$ 14.00
Stock	ATU-6DS	Antenna 450-485 MHz / 3.5"	$ 14.00
	ATU-6F	Antenna 470 - 512 MHz / 5.5"	$ 13.00
	ATV-10A	High Gain antenna, 145-155MHz (Red) / 10.5"	$ 16.00
Stock	ATV-10B	High Gain antenna, 150-160MHz (Brn) / 10.5"	$ 16.00
Stock	ATV-10C	High Gain antenna, 155-165MHz (Blk) / 10.5"	$ 16.00
Stock	ATV-10E	High Gain antenna, 165-175MHz (Org) / 10.5"	$ 16.00
	ATV-6A	Antenna 134-151 MHz / 4"	$ 13.00
Stock	ATV-6B	Antenna 150-163 MHz / 3.5"	$ 15.00
	ATV-6C	Antenna 161-174 MHz / 3.5"	$ 13.00
Stock	ATV-6XL	7" untuned VHF antenna	$ 14.00
	ATV-8A	Antenna 134-150 MHz / Sable / 6"	$ 14.00
Stock	ATV-8B	Antenna 150-163 MHz / Sable / 6"	$ 14.00
	ATV-8C	Antenna 162-174 MHz / Sable / 6"	$ 14.00
	ATW-1A	Dual-band antenna for multi-band Rx: 134-151MHz / 450-520MHz	$ 28.00
	ATW-1B	Dual-band antenna for multi-band Rx: 150-163MHz / 450-520MHz	$ 28.00
	ATW-1C	Dual-band antenna for multi-band Rx: 161-174MHz / 450-520MHz	$ 28.00
Batteries			
	Model	**Description**	**List Price**
	FNB-V86LI	7.4 V 1150mAh Li-ion Battery	$ 64.00
Stock	FNB-V87LI	7.4V 2000mAh Li-ion Battery	$ 80.00
Stock	FNB-V92LI	7.4V 3000mAh Li-ion Battery	$ 140.00
Stock	FNB-V92LIIS	7.4V 3000mAH Intrinsically Safe Li-ion Battery	$ 160.00

Belt Clip			
	Model	**Description**	**List Price**
	CLIP-17A	Swivel Belt Clip	$ 16.00
	CLIP-920	Belt Clip	$ 10.00
Cases			
	Model	**Description**	**List Price**
	LCC-820	Leather case with Belt Loop	$ 32.00
	LCC-820H	Leather case with belt loop. For use with VX-821/P821 and FNB - V92LI (and IS) battery.	$ 32.00
	LCC-820S	Leather Case with Swivel and Belt Loop	$ 42.00
	LCC-820S/TT	Leather Case w/Swivel, Belt Loop and Keyboard Opening	$ 42.00
	LCC-820SH	Leather case with D Swivel. For use with VX-821/P821 and FNB - V92LI (and IS) battery.	$ 42.00
Stock	LCC-820SH/TT	Leather case with D swivel. For use with VX-829/P829 and FNB - V92LI (and IS) battery.	$ 42.00
LCC-820 LCC-820H Replaced	LCC-820H/4K	Leather case with belt loop. For use with VX-824/P824 and FNB - V92LI (and IS) battery.	$ 32.00
LCC-820SH/TT Replaced	LCC-820SH/4K	Leather case with D swivel. For use with VX-824/P824 and FNB - V92LI (and IS) battery.	$ 42.00
LCC-820SH Replaced	LCC-820SN1C	Nylon Case, Swivel Clip, No Window for VX-821/871 & VX-P821/871 Series. Works with any of our rechargeable battery packs even the 3000mAh FNB-V92LI (and LIIS) !	$ 30.00
LCC-820SH Replaced	LCC-820SN1D	Nylon Case, D Swivel, Leather Belt Loop, No Window for VX-821/871 & VX-P821/P871 series. Works with any of our rechargeable battery packs even the 3000mAh FNB-V92LI (and LIIS)	$ 36.00

LCC-820SH/TT Replaced	LCC-820SN2C	Nylon Case, Swivel Clip, 1/2 Window for VX-824/874 & VX-P824/P874 Series. Works with any of our rechargeable battery packs even the 3000mAh FNB-V92LI (and LIIS)	$ 30.00
LCC-820SH/TT Replaced	LCC-820SN2D	Nylon Case. Metal D Swivel / Leather Belt Loop, 1/2 Window for VX-824/874 & VX-P824/P874 Series. Works with any of our rechargeable battery packs even the 3000mAh FNB-V92LI (and LIIS)	$ 36.00
LCC-820SH/TT Replaced	LCC-820SN3C	Nylon Case, Swivel Clip, Full Window for VX-829/879 & VX-P829/P879 Series. Works with any of our rechargeable battery packs even the 3000mAh FNB-V92LI (and LIIS)	$ 30.00
LCC-820SH/TT Replaced	LCC-820SN3D	Nylon Case, Metal D Swivel, Leather Belt Loop, Full Window for VX-829/879 & VX-P829/P879 Series. Works with any of our rechargeable battery packs even the 3000mAh FNB-V92LI (and LIIS)	$ 36.00
Charger			
	Model	**Description**	**List Price**
Stock	VAC-6920B	120V 6 unit Multi-Rapid Charger with US power cable	$ 575.00
	VAC-6920C	240V 6 unit Multi-Rapid Charger with Euro power cable	$ 575.00
Stock	VAC-921B	120 VAC Desktop Rapid charger	$ 64.00
	VAC-921C	240 VAC Desk top rapid charger	$ 64.00
Stock	VCM-2	Vehicular Charger Mounting Adapter Kit for VAC-920-CD-31 charging tray required	$ 60.00
Encryption			
	AES/DES Encryption	Factory install option. AES/DES Encryption system for P25 Mobiles and Portables. Order Keyloader cables separately.	$ 550.00

Headsets and Surveillance			
	Model	**Description**	**List Price**
	VH-111	Heavy Duty, Dual Muff, Over the head style, with Boom Mic	$ 400.00
	VH-115L	Behind the Head, Lightweight	$ 98.00
	VH-121	3 Wire Mini Lapel Mic Surveillance Kit	$ 215.00
	VH-131	2-Wire Palm Kit	$ 187.00

Programming and Installation			
	Model	**Description**	**List Price**
	CK-10 FIELD PROGRAMMING KEY	Used with 16 key P25 Portable radios to enable Field Programming. Radios must be programmed with F version of CE76 which allows assignment of various items available for Field Programming.	$ 75.00
Stock	CT-108	Programming pigtail for USB setup-FIF-12 required as well	$ 65.00
Stock	CT-109	PC Programming kit (Contains a VPL-1 programming cable and adaptor for the new VX-820/920 portables)	$ 112.00
	CT-110	Firmware writing cable (For use with the FIF-8)	$ 65.00
	CT-115	Programming cable pigtail only (requires VPL-1)	$ 63.00
	CT-116	Radio to Radio Programming Cable	$ 65.00
	CT-127	Keyloader adapter cable for VX-P820/870 & VX-P920/970 series P25 radios with encryption option. Requires CT-129 or Motorola TKN8531C.	$ 50.00
	CT-129	Keyloader interface cable for KVL-3000+. Use with either CT-127 (for Portables) or CT-128 (for Mobiles) for programming encryption keys into radio.	$ 199.00
Stock	FIF-12	FIF-12 USB Interface for PC programming. Check specific models for additional cable pigtails. Pigtails not included.	$ 150.00

Signaling			
	Model	**Description**	**List Price**
	SRX-3 D	Dual Band Rx module. Adds UHF Rx to VHF radio. 450 MHz ~ 512 MHz	$ 160.00
	SRX-3 H	Dual Band Rx module. Adds UHF Rx to VHF radio. 380 MHz ~ 450 MHz	$160.00
	SRX-4	Dual Band Rx module. Adds VHF Rx to UHF radio. 135 MHz ~ 174 MHz	$ 160.00
Speaker Microphones			
	Model	**Description**	**List Price**
Stock	MH-50D7A	Public Safety Speaker Microphone with toggle, MIL-STD Rated	$ 94.00
Stock	MH-66A7A	MH-66A7A Submersible Noise Canceling Speaker Microphone	$ 92.00
	MH-66B7A	MH-66B7A Submersible Speaker Microphone with 2 Programmable Function Keys and Audio Attenuator Switch.	$ 180.00

P25 Mobiles - VX-7200						
Stock	**Model**	**Description**	**List Price**	**1-5**	**6-11**	**12+**
	VX-7200-D0-50	VX-7200-D0-50 PKG1, 134-174 MHz, 50 Watt, with MH-67A8J Mic.	$1,874.00	$ 1,153.00	$ 1,109.00	$ 1,054.00
	VX-7200-G6-45	VX-7200-G6-45 PKG1, 400-470 MHz, 45 Watt, with MH-67A8J Mic.	$1,974.00	$ 1,214.00	$ 1,168.00	$ 1,110.00
	VX-7200-G7-45	VX-7200-G7-45 PKG1, 450-512 MHz, 45 Watt, with MH-67A8J Mic.	$1,974.00	$ 1,214.00	$ 1,168.00	$ 1,110.00
	VX-7200-G8-45	VX-7200-G8-45 PKG1, 380-450 MHz, 45 Watt, with MH-67A8J Mic.	$1,974.00	$ 1,214.00	$ 1,168.00	$ 1,110.00
DC Cables						
	Model	**Description**	**List Price**	**Dealer**		
	E-DC-22	30 ft DC cable for VX-4000/-5500 mobiles.	$ 80.00	$ 49.00		
DC Noise Filters						
	Model	**Description**	**List Price**	**Dealer**		
Stock	LF-1	Plug-In Line Filter	$ 35.00	$ 22.00		
Microphone						
	Model	**Description**	**List Price**	**Dealer**		
Stock	MD-12A8J	Desktop Microphone	$ 102.00	$ 63.00		
Stock	MH-67A8J	Standard Microphone	$ 40.00	$ 25.00		
	MH-75A8J	DTMF Microphone, Black	$ 55.00	$ 34.00		
Mounting Bracket						
	Model	**Description**	**List Price**	**Dealer**		
	MMB-85	Quick Release Mobile Bracket for VX-4100/4200	$75.00	$ 46.00		
Power Supply						

	Model	Description	List Price	Dealer
Stock	FP-1023	External Power Supply 23 Amp	$ 216.88	$ 133.00
Programming and Installation				
	Model	**Description**	**List Price**	**Dealer**
Stock	CT-104A	Programming pigtail for USB setup-FIF-12 required as well	$ 40.00	$ 25.00
Stock	FIF-12	FIF-12 USB Interface for PC programming. Check specific models for additional cable pigtails. Pigtails not included.	$ 150.00	$ 92.00
Stock	VX VPL-1	Serial Port Programming cable from PC	$ 87.00	$ 54.00
	CT-128	Keyloader adapter cable for VX-7100 & VX-7200 series P25 Mobile radios with encryption option. Requires CT-129 or Motorola TKN8531C.	$ 50.00	$ 31.00
	CT-129	Keyloader interface cable for KVL-3000+. Use with either CT-127 (for Portables) or CT-128 (for Mobiles) for programming encryption keys into radio.	$ 199.00	$ 122.00
	INST-OPT	Installation Charge.	$ 85.00	$ 63.00
Signaling				
	Model	**Description**	**List Price**	**Dealer**
	SRX-1	Interoperability Receiver Board. This is a UHF Sub-Receiver designed to be installed into the VHF VX-4100 or VX-4200 mobiles (VX-4104, VX-4204).	$ 160.00	$ 98.00
	SRX-2	Interoperability Receiver Board. This is a VHF Sub-Receiver designed to be installed into the UHF VX-4100 or VX-4200 mobiles	$ 160.00	$ 98.00
Speaker				
	Model	**Description**	**List Price**	**Dealer**
Stock	MLS-100	External Speaker (12 Watt Peak)	$ 62.00	$ 38.00

Discontinued	MLS-200	12W peak external weatherproof speaker	$ 89.00	$ 55.00

VX-230

Stock	Model	Description	List Price
Stock	VX-231-AD0B-5 Pkg-1	VHF with FNB-V103Li Battery, VAC-300B Rapid Charger and ATV-8B 150-162 MHz Antenna	$ 225.00
	VX-231-AG6B-5 Pkg-1	UHF with FNB-V103Li Battery, VAC-300B Rapid Charger and ATU-6A 410-430 MHz Antenna	$ 225.00
Stock	VX-231-AG7B-5 Pkg-1	UHF with FNB-V103Li Battery, VAC-300B Rapid Charger and ATU-6D 450-485 MHz Antenna	$ 225.00

Alignment/Service Related

	Model	Description	List Price
	CN-3	SMA to BNC Adaptor	$ 11.00

Antennas

	Model	Description	List Price
Stock	ATU-6A	Antenna 410-430 MHZ / 6"	$ 14.00
	ATU-6AS	Antenna 410-430 MHZ / 3.5"	$ 14.00
Stock	ATU-6D	Antenna 450-485 MHZ / RED / 6"	$ 14.00
Stock	ATU-6DS	Antenna 450-485 MHz / 3.5"	$ 14.00
	ATU-6F	Antenna 470 - 512 MHz / 5.5"	$ 13.00
	ATV-10A	High Gain antenna, 145-155MHz (Red) / 10.5"	$ 16.00
Stock	ATV-10B	High Gain antenna, 150-160MHz (Brn) / 10.5"	$ 16.00
Stock	ATV-10C	High Gain antenna, 155-165MHz (Blk) / 10.5"	$ 16.00
Stock	ATV-10E	High Gain antenna, 165-175MHz (Org) / 10.5"	$ 16.00
	ATV-6A	Antenna 134-151 MHz / 4"	$ 13.00
Stock	ATV-6B	Antenna 150-163 MHz / 3.5"	$ 15.00
	ATV-6C	Antenna 161-174 MHz / 3.5"	$ 13.00
Stock	ATV-6XL	7" untuned VHF antenna	$ 14.00
	ATV-8A	Antenna 134-150 MHz / Sable / 6"	$ 14.00
Stock	ATV-8B	Antenna 150-163 MHz / Sable / 6"	$ 14.00
Stock	ATV-8C	Antenna 162-174 MHz / Sable / 6"	$ 14.00

Batteries

	Model	Description	List Price
Stock	FNB-V103LI	FNB-V103LI LI-ION 1380 mAh Replacement Battery	$ 40.00
Stock	FNB-V104LI	FNB-V104LI LI-ION 2300 mAh	$ 60.00

Belt Clips

	Model	Description	List Price
Stock	CLIP-18	Belt clip	$ 10.00
		Cases	
	Model	**Description**	**List Price**
	LCC-351	LCC-351 Leather case with belt loop	$ 32.00
Stock	LCC-351S	LCC-351S Leather case with swivel mount	$ 42.00
		Charger	
	Model	**Description**	**List Price**
Stock	TWC6ML-23	Sitech 6 unit charger	$ 349.00
Stock	VAC-300B	Desk Top Rapid Charger for VX-351/354, 120VAC (PA-42B/CD-34)	$ 42.00
	VAC-300C	Desk Top Rapid Charger for VX-351/354, 230VAC (PA-42C/CD-34)	$ 42.00
Stock	VAC-6300B	VAC-6300B 6 unit charger	$ 450.00
	VAC-6300C	VAC-6300C 6 unit charger 230VAC	$ 450.00
Stock	VCM-2	Vehicular Charger Mounting Adapter Kit for VAC-920 & VAC-300	$ 60.00
		Headsets and Surveillance	
	Model	**Description**	**List Price**
Stock	FEP-10	Light Duty Earphone	$ 11.00
Stock	MH-37A4B	Earpiece Microphone, Light Duty	$ 40.00
Stock	P3500V	D-Ring Earpiece with in-line Push to Talk	$ 34.00
Stock	P4500V	Over the Ear Swivel with in-line Push to Talk	$ 38.00
Stock	S9500V	Single Wire Surveillance Earpiece with inline Push to Talk	$ 44.00
	VC-25	VOX Headset with Boom Mic	$ 84.00
	VH-110S	Dual Muff Heavy Duty Headset	$ 540.00
	VH-115S	Lightweight Headset with Boom Mic	$ 55.00
	VH-120S	3 Wire Mini Lapel Mic Surveillance Kit	$ 185.00
	VH-130S	2 Wire Palm PTT Surveillance Kit	$ 150.00
	VH-215S	Lightweight Padded Headset, Single Speaker	$ 121.00
	VH-225S	Dual Muff Padded Headset	$ 137.00
		Programming and Installation	
	Model	**Description**	**List Price**
Stock	CT-106	Programming pigtail for USB setup-FIF-12 required as well	$ 40.00
	CT-27A	Radio to radio cloning cable	$ 14.00
Stock	CT-42	Computer to Radio Serial Port/DB9 Programming Cables. (Contains CT-28 + CT-29)	$ 79.00

Stock	FIF-12	FIF-12 USB Interface for PC programming. Check specific models for additional cable pigtails. Pigtails not included.	$ 150.00
Speaker Microphones			
	Model	**Description**	**List Price**
Stock	MH-360S	Compact Speaker Microphone-Very similar to the MH-34D4B.	$ 21.00
Stock	MH-450S	Medium Duty Remote Speaker Microphone	$ 26.67
Stock	MH-45B4B	Heavy Duty Noise Canceling Speaker Microphone	$ 82.00

VX-350

Stock	Model	Description	List Price
Stock	VX-351-AD0B-5 Pkg-1	VHF High Performance Package with FNB-V96Li Battery, VAC-300B Rapid Charger and ATV-8B 150-162 MHz Antenna	$ 260.00
Stock	VX-351-AG7B-5 Pkg-1	UHF High Performance Package with FNB-V96Li Battery, VAC-300B Rapid Charger and ATU-6D 450-485 MHz Antenna	$ 260.00
	VX-351-AG8B-5 Pkg-1	UHF High Performance Package with FNB-V96Li Battery, VAC-300B Rapid Charger and ATU-6A 410-430 MHz Antenna	$ 260.00
Stock	VX-354-AD0B-5 Pkg-1	VHF 4 Key/LCD Display High Performance Package with FNB-V96Li Battery, VAC-300B Rapid Charger and ATV-8B 150-162 MHz Antenna	$ 290.00
Stock	VX-354-AG7B-5 Pkg-1	UHF 4 Key/LCD Display High Performance Package with FNB-V96Li Battery, VAC-300B Rapid Charger and ATU-6D 450-485 MHz Antenna	$ 290.00
	VX-354-AG8B-5 Pkg-1	UHF 4 Key/LCD Display High Performance Package with FNB-V96Li Battery, VAC-300B Rapid Charger and ATU-6A 410-430 MHz Antenna	$ 290.00

Alignment/Service Related

	Model	Description	List Price
	CN-3	SMA to BNC Adaptor	$ 11.00
	CT-124B	Firmware Cable. Requires FIF-10A/FIF-12	$ 60.00

Antennas

	Model	Description	List Price
Stock	ATU-6A	Antenna 410-430 MHZ / 6"	$ 14.00
	ATU-6AS	Antenna 410-430 MHZ / 3.5"	$ 14.00
Stock	ATU-6D	Antenna 450-485 MHZ / RED / 6"	$ 14.00
Stock	ATU-6DS	Antenna 450-485 MHz / 3.5"	$ 14.00
	ATU-6F	Antenna 470 - 512 MHz / 5.5"	$ 13.00
	ATV-10A	High Gain antenna, 145-155MHz (Red) / 10.5"	$ 16.00
Stock	ATV-10B	High Gain antenna, 150-160MHz (Brn) / 10.5"	$ 16.00
Stock	ATV-10C	High Gain antenna, 155-165MHz (Blk) / 10.5"	$ 16.00
Stock	ATV-10E	High Gain antenna, 165-175MHz (Org) / 10.5"	$ 16.00
	ATV-6A	Antenna 134-151 MHz / 4"	$ 13.00
Stock	ATV-6B	Antenna 150-163 MHz / 3.5"	$ 15.00
	ATV-6C	Antenna 161-174 MHz / 3.5"	$ 13.00
Stock	ATV-6XL	7" untuned VHF antenna	$ 14.00
	ATV-8A	Antenna 134-150 MHz / Sable / 6"	$ 14.00
Stock	ATV-8B	Antenna 150-163 MHz / Sable / 6"	$ 14.00

Stock	ATV-8C	Antenna 162-174 MHz / Sable / 6"	$ 14.00
Batteries			
	Model	**Description**	**List Price**
Stock	FNB-V96LI	7.4V 2300 mAh Li Ion Replacement Battery	$ 40.00
Belt Clips			
	Model	**Description**	**List Price**
Stock	CLIP-18	Belt clip	$ 10.00
Cases			
	Model	**Description**	**List Price**
	LCC-351	LCC-351 Leather case with belt loop	$ 32.00
Stock	LCC-351S	LCC-351S Leather case with swivel mount	$ 42.00
	LCC-354	LCC-354 Leather case with belt loop	$ 32.00
Stock	LCC-354S	LCC-354S Leather case with swivel mount	$ 42.00
Charger			
	Model	**Description**	**List Price**
Stock	TWC6ML-23	Sitech 6 unit charger	$ 349.00
Stock	VAC-300B	Desk Top Rapid Charger for VX-351/354, 120VAC (PA-42B/CD-34)	$ 42.00
	VAC-300C	Desk Top Rapid Charger for VX-351/354, 230VAC (PA-42C/CD-34)	$ 42.00
Stock	VAC-6300B	VAC-6300B 6 unit charger	$ 450.00
	VAC-6300C	VAC-6300C 6 unit charger 230VAC	$ 450.00
Stock	VCM-2	Vehicular Charger Mounting Adapter Kit for VAC-920 & VAC-300	$ 60.00
Headsets and Surveillance			
	Model	**Description**	**List Price**
Stock	FEP-10	Light Duty Earphone	$ 11.00
Stock	MH-37A4B	Earpiece Microphone, Light Duty	$ 40.00
Stock	P3500V	D-Ring Earpiece with in-line Push to Talk	$ 34.00
Stock	P4500V	Over the Ear Swivel with in-line Push to Talk	$ 38.00
Stock	S9500V	Single Wire Surveillance Earpiece with inline Push to Talk	$ 44.00
	VC-25	VOX Headset with Boom Mic	$ 84.00
	VH-110S	Dual Muff Heavy Duty Headset	$ 540.00

	VH-115S	Lightweight Headset with Boom Mic	$ 55.00
	VH-120S	3 Wire Mini Lapel Mic Surveillance Kit	$ 185.00
	VH-130S	2 Wire Palm PTT Surveillance Kit	$ 150.00
	VH-215S	Lightweight Padded Headset, Single Speaker	$ 121.00
	VH-225S	Dual Muff Padded Headset	$ 137.00
Programming and Installation			
	Model	**Description**	**List Price**
Stock	CT-106	Programming pigtail for USB setup-FIF-12 required as well	$ 40.00
	CT-27A	Radio to radio cloning cable	$ 14.00
Stock	CT-42	Computer to Radio Serial Port/DB9 Programming Cables. (Contains CT-28 + CT-29)	$ 79.00
Stock	FIF-12	FIF-12 USB Interface for PC programming. Check specific models for additional cable pigtails. Pigtails not included.	$ 150.00
		Signaling	
	Model	**Description**	**List Price**
	FVP-25	Encryption Unit (Band Inversion Type) and DTMF Paging. (requires FIF-7 if installed into the VX-4000/VX-5500/VX-6000)	$ 60.00
	FVP-35	Plug-in Rolling Code Encryption. (Requires FIF-7 if installed into the VX-4000/VX-5500/VX-6000. Requires VX MPI for programming)	$ 346.00
	FVP-36	Encryption Unit (Band Inversion Type)	$ 40.00
Stock	VME-100	VME-100 BOARD FOR MDC1200 DIGITAL ANI	$ 69.31
Speaker Microphones			
	Model	**Description**	**List Price**
Stock	MH-360S	Compact Speaker Microphone-Very similar to the MH-34D4B.	$ 21.00
Stock	MH-450S	Medium Duty Remote Speaker Microphone	$ 26.67
Stock	MH-45B4B	Heavy Duty Noise Canceling Speaker Microphone	$ 82.00

VX-410

Stock	Model	Description	List Price
Stock	ISVX-414-2-5 Pkg-1	VHF Intrinsically Safe Version with FNB-V57IS Battery Only 150-162MHz-Charger and antenna not included	$ 320.00
Stock	ISVX-417-4-5 Pkg-1	UHF Intrinsically Safe Version with FNB-V57IS Battery Only 450-485MHz-Charger and antenna not included	$ 320.00
VX-451 Replaced	VX-414-2-5 Basic Pkg-1	VHF Basic Package with FNB-V94 NiMh Battery, VAC-20B Charger and ATV-8B 150 - 162 MHz antenna	$ 333.00
VX-451 Replaced	VX-414-2-5 Basic Pkg-2	VHF Basic Package with FNB-V94 NiMh Battery, VAC-20B Charger and ATV-8C 162 - 174 MHz antenna	$ 333.00
VX-451 Replaced	VX-414-2-5 High Pkg-1	VHF High Performance Package with FNB-V67Li Battery, VAC-810B Charger, and ATV-8B 150 - 162 MHz Antenna	$ 370.00
VX-451 Replaced	VX-414-2-5 High Pkg-2	VHF High Performance Package with FNB-V67Li Battery, VAC-810B Charger, and ATV-8C 162 - 174 MHz antenna	$ 370.00
VX-451 Replaced	VX-414-2-5 Pkg-1	VHF Package with FNB-V94 NiMh Battery and ATV-8B 150 - 162 MHz antenna-Charger not included	$ 295.00
VX-451 Replaced	VX-414-2-5 Pkg-2	VHF Package with FNB-V94 NiMh Battery and ATV-8C 162 - 174 MHz antenna-Charger not included	$ 295.00
VX-451 Replaced	VX-417-4-5 Basic Pkg-1	UHF Basic Package with FNB-V94 NiMh Battery, VAC-20B Charger and ATU-6D 450 - 485 MHz antenna	$ 333.00
VX-451 Replaced	VX-417-4-5 High Pkg-1	UHF High Performance Package with FNB-V67Li Battery, VAC-810B Charger, and ATU-6D 450 - 485 MHz antenna	$ 370.00
VX-451 Replaced	VX-417-4-5 Pkg-1	UHF Package with FNB-V94 NiMh Battery and ATU-6D 450 - 485 MHz antenna-Charger not included	$ 295.00

Alignment/Service Related

	Model	Description	List Price
	CN-3	SMA to BNC Adaptor	$ 11.00
	CT-124B	Firmware Cable. Requires FIF-10A/FIF-12	$ 60.00

Antennas

	Model	Description	List Price
Stock	ATU-6A	Antenna 410-430 MHZ / 6"	$ 14.00

	ATU-6AS	Antenna 410-430 MHZ / 3.5"	$ 14.00
Stock	ATU-6D	Antenna 450-485 MHZ / RED / 6"	$ 14.00
Stock	ATU-6DS	Antenna 450-485 MHz / 3.5"	$ 14.00
	ATU-6F	Antenna 470 - 512 MHz / 5.5"	$ 13.00
	ATV-10A	High Gain antenna, 145-155MHz (Red) / 10.5"	$ 16.00
Stock	ATV-10B	High Gain antenna, 150-160MHz (Brn) / 10.5"	$ 16.00
Stock	ATV-10C	High Gain antenna, 155-165MHz (Blk) / 10.5"	$ 16.00
Stock	ATV-10E	High Gain antenna, 165-175MHz (Org) / 10.5"	$ 16.00
	ATV-6A	Antenna 134-151 MHz / 4"	$ 13.00
Stock	ATV-6B	Antenna 150-163 MHz / 3.5"	$ 15.00
	ATV-6C	Antenna 161-174 MHz / 3.5"	$ 13.00
Stock	ATV-6XL	7" untuned VHF antenna	$ 14.00
	ATV-8A	Antenna 134-150 MHz / Sable / 6"	$ 14.00
Stock	ATV-8B	Antenna 150-163 MHz / Sable / 6"	$ 14.00
Stock	ATV-8C	Antenna 162-174 MHz / Sable / 6"	$ 14.00
Batteries			
	Model	**Description**	**List Price**
Stock	FNB-V57IS	7.2 V 1100 mAh Ni-Cd Battery, Intrinsically Safe Version	$ 85.00
Stock	FNB-V67Li	7.2V 2000 mAh Lithium-Ion Battery (Requires the VAC-810 charger)	$ 50.00
Stock	FNB-V94	7.2V 1800 mAh NiMh Battery	$ 35.00
Stock	BP36257	7.2V 1050 mAh NiCad Aftermarket Battery for FNB-V57	$ 42.60
Belt Clips			
	Model	**Description**	**List Price**
Stock	CLIP-17C	Belt clip	$ 16.00
Cases			
	Model	**Description**	**List Price**
	LCC-410	Leather Case with belt loop	$ 32.00
Stock	LCC-410S	Leather Case with Swivel	$ 42.00
Charger			

	Model	Description	List Price
Stock	VAC-20B	120V VAC 3-Hour Desktop Charger (Not recommended for use with LiIon Batteries)	$ 38.00
	VAC-20C	240V VAC 3-Hour Desktop Charger (Not recommended for use with LiIon Batteries)	$ 38.00
Stock	VAC-6020B	120V The VAC-6020 is a rugged 6-Unit Multi Charger that enables recharging of Ni-Cd and Ni-MH battery packs	$ 450.00
	VAC-6020C	240V The VAC-6020C is a rugged 6-Unit Multi Charger that enables recharging of Ni-Cd and Ni-MH battery packs	$ 450.00
Stock	VAC-6800B	120V 6 Unit Multi-Rapid Charger	$ 575.00
	VAC-6800C	240V 6 Unit Multi-Rapid Charger	$ 575.00
Stock	VAC-6810B	120V VAC 6 Unit Multi-Rapid Charger	$ 575.00
Stock	VAC-801B	120V VAC 1-Hour Rapid Desktop Charger	$ 60.00
	VAC-801C	240V VAC 1-Hour Rapid Desktop Charger	$ 60.00
Stock	VAC-810B	120V VAC 1.5 Hour Desktop Charger required for the FNB-V67Li High Capacity Battery.	$ 60.00
	VAC-810C	240V VAC 1.5 Hour Desktop Charger required for the FNB-V67Li High Capacity Battery.	$ 60.00
Stock	VCM-1	Vehicular Charger Mounting Adaptor Kit for VAC-800/VAC-801	$ 60.00
Stock	VCM-3	Vehicular Charger Mounting Adaptor Kit for VAC-10/VAC-20	$ 60.00

Headsets and Surveillance

	Model	Description	List Price
Stock	FEP-10	Light Duty Earphone	$ 11.00
Stock	MH-37A4B	Earpiece Microphone, Light Duty	$ 40.00
Stock	P3500V	D-Ring Earpiece with in-line Push to Talk	$ 34.00
Stock	P4500V	Over the Ear Swivel with in-line Push to Talk	$ 38.00
Stock	S9500V	Single Wire Surveillance Earpiece with inline Push to Talk	$ 44.00
	VC-25	VOX Headset with Boom Mic	$ 84.00
	VH-110S	Dual Muff Heavy Duty Headset	$ 540.00
	VH-115S	Lightweight Headset with Boom Mic	$ 55.00
	VH-120S	3 Wire Mini Lapel Mic Surveillance Kit	$ 185.00
	VH-130S	2 Wire Palm PTT Surveillance Kit	$ 150.00
	VH-215S	Lightweight Padded Headset, Single Speaker	$ 121.00
	VH-225S	Dual Muff Padded Headset	$ 137.00

Programming and Installation			
	Model	**Description**	**List Price**
Stock	CT-106	Programming pigtail for USB setup-FIF-12 required as well	$ 40.00
	CT-27A	Radio to radio cloning cable	$ 14.00
Stock	CT-42	Computer to Radio Serial Port/DB9 Programming Cables. (Contains CT-28 + CT-29)	$ 79.00
Stock	FIF-12	FIF-12 USB Interface for PC programming. Check specific models for additional cable pigtails. Pigtails not included.	$ 150.00
Signaling			
	Model	**Description**	**List Price**
Stock	DVS-5	Digital Voice Storage Board (120 sec. max.)	$ 50.00
	FVP-25	Encryption Unit (Band Inversion Type) and DTMF Paging. (requires FIF-7 if installed into the VX-4000/VX-5500/VX-6000)	$ 60.00
	FVP-35	Plug-in Rolling Code Encryption. (Requires FIF-7 if installed into the VX-4000/VX-5500/VX-6000. Requires VX MPI for programming)	$ 346.00
Stock	VMDE-200	Board for MDC1200 Encode/Decode	$ 127.79
Stock	VME-100	Board for MDC1200 Digital ANI	$ 69.31
Speaker Microphones			
	Model	**Description**	**List Price**
Stock	MH-360S	Compact Speaker Microphone-Very similar to the MH-34D4B.	$ 21.00
Stock	MH-450S	Medium Duty Remote Speaker Microphone	$ 26.67
Stock	MH-45B4B	Heavy Duty Noise Canceling Speaker Microphone-Intrinsically Safe	$ 82.00

VX-420			
Stock	**Model**	**Description**	**List Price**
Stock	ISVX-424-2-5 Pkg-1	VHF 4 Key/DTMF Pad/LCD Display Intrinsically Safe Version with FNB-V57IS Battery Only 150-162MHz-Charger and antenna not included	$ 364.00
Stock	ISVX-427-4-5 Pkg-1	UHF 4 Key/DTMF Pad/LCD Display Intrinsically Safe Version with FNB-V57IS Battery Only 450-485MHz-Charger and antenna not included	$ 364.00
VX-454/9 Replaced	VX-424-2-5 Basic Pkg-1	VHF 4 Key/DTMF Pad/LCD Display Basic Package with FNB-V94 NiMh Battery, VAC-20B Charger and ATV-8B 150 - 162 MHz antenna	$ 377.00
VX-454/9 Replaced	VX-424-2-5 Basic Pkg-2	VHF 4 Key/DTMF Pad/LCD Display Basic Package with FNB-V94 NiMh Battery, VAC-20B Charger and ATV-8C 162 - 174 MHz antenna	$ 377.00
VX-454/9 Replaced	VX-424-2-5 High PKG-1	VHF 4 Key/DTMF Pad/LCD Display High Performance Package with FNB-V67Li Battery, VAC-810B Charger, and ATV-8B 150 - 162 MHz Antenna	$ 414.00
VX-454/9 Replaced	VX-424-2-5 High Pkg-2	VHF 4 Key/DTMF Pad/LCD Display High Performance Package with FNB-V67Li Battery, VAC-810B Charger, and ATV-8C 162 - 174 MHz antenna	$ 414.00
VX-454/9 Replaced	VX-424-2-5 Pkg-1	VHF 4 Key/DTMF Pad/LCD Display Package with FNB-V94 NiMh Battery and ATV-8B 150 - 162 MHz antenna-Charger not included	$ 339.00
VX-454/9 Replaced	VX-424-2-5 Pkg-2	VHF 4 Key/DTMF Pad/LCD Display Package with FNB-V94 NiMh Battery and ATV-8C 162 - 174 MHz antenna-Charger not included	$ 339.00
VX-454/9 Replaced	VX-427-4-5 Basic Pkg-1	UHF 4 Key/DTMF Pad/LCD Display Basic Package with FNB-V94 NiMh Battery, VAC-20B Charger and ATU-6D 450 - 485 MHz antenna	$ 377.00
VX-454/9 Replaced	VX-427-4-5 High Pkg-1	UHF 4 Key/DTMF Pad/LCD Display High Performance Package with FNB-V67Li Battery, VAC-810B Charger, and ATU-6D 450 - 485 MHz antenna	$ 414.00
VX-454/9 Replaced	VX-427-4-5 Pkg-1	UHF 4 Key/DTMF Pad/LCD Display Package with FNB-V94 NiMh Battery and ATU-6D 450 - 485 MHz antenna-Charger not included	$ 339.00

Alignment/Service Related			
	Model	**Description**	**List Price**
	CN-3	SMA to BNC Adaptor	$ 11.00
	CT-124B	Firmware Cable. Requires FIF-10A/FIF-12	$ 60.00
Antennas			
	Model	**Description**	**List Price**
Stock	ATU-6A	Antenna 410-430 MHZ / 6"	$ 14.00
	ATU-6AS	Antenna 410-430 MHZ / 3.5"	$ 14.00
Stock	ATU-6D	Antenna 450-485 MHZ / RED / 6"	$ 14.00
Stock	ATU-6DS	Antenna 450-485 MHz / 3.5"	$ 14.00
	ATU-6F	Antenna 470 - 512 MHz / 5.5"	$ 13.00
	ATV-10A	High Gain antenna, 145-155MHz (Red) / 10.5"	$ 16.00
Stock	ATV-10B	High Gain antenna, 150-160MHz (Brn) / 10.5"	$ 16.00
Stock	ATV-10C	High Gain antenna, 155-165MHz (Blk) / 10.5"	$ 16.00
Stock	ATV-10E	High Gain antenna, 165-175MHz (Org) / 10.5"	$ 16.00
	ATV-6A	Antenna 134-151 MHz / 4"	$ 13.00
Stock	ATV-6B	Antenna 150-163 MHz / 3.5"	$ 15.00
	ATV-6C	Antenna 161-174 MHz / 3.5"	$ 13.00
Stock	ATV-6XL	7" untuned VHF antenna	$ 14.00
	ATV-8A	Antenna 134-150 MHz / Sable / 6"	$ 14.00
Stock	ATV-8B	Antenna 150-163 MHz / Sable / 6"	$ 14.00
Stock	ATV-8C	Antenna 162-174 MHz / Sable / 6"	$ 14.00
Batteries			
	Model	**Description**	**List Price**
Stock	FNB-V57IS	7.2 V 1100 mAh Ni-Cd Battery, Intrinsically Safe Version	$ 85.00
Stock	FNB-V67Li	7.2V 2000 mAh Lithium-Ion Battery (Requires the VAC-810 charger)	$ 50.00
Stock	FNB-V94	7.2V 1800 mAh NiMh Battery	$ 35.00
Stock	BP36257	7.2V 1050 mAh NiCad Aftermarket Battery for FNB-V57	$ 42.60
Belt Clips			

	Model	**Description**	**List Price**
Stock	CLIP-17C	Belt clip	$ 16.00
		Cases	
	Model	**Description**	**List Price**
	LCC-420	Leather Case with belt loop	$ 32.00
Stock	LCC-420S	Leather Case with Swivel	$ 42.00
		Charger	
	Model	**Description**	**List Price**
Stock	VAC-20B	120V VAC 3-Hour Desktop Charger (Not recommended for use with LiIon Batteries)	$ 38.00
	VAC-20C	240V VAC 3-Hour Desktop Charger (Not recommended for use with LiIon Batteries)	$ 38.00
Stock	VAC-6020B	120V The VAC-6020 is a rugged 6-Unit Multi Charger that enables recharging of Ni-Cd and Ni-MH battery packs	$ 450.00
	VAC-6020C	240V The VAC-6020C is a rugged 6-Unit Multi Charger that enables recharging of Ni-Cd and Ni-MH battery packs	$ 450.00
Stock	VAC-6800B	120V 6 Unit Multi-Rapid Charger	$ 575.00
	VAC-6800C	240V 6 Unit Multi-Rapid Charger	$ 575.00
Stock	VAC-6810B	120V VAC 6 Unit Multi-Rapid Charger	$ 575.00
Stock	VAC-801B	120V VAC 1-Hour Rapid Desktop Charger	$ 60.00
	VAC-801C	240V VAC 1-Hour Rapid Desktop Charger	$ 60.00
Stock	VAC-810B	120V VAC 1.5 Hour Desktop Charger required for the FNB-V67Li High Capacity Battery.	$ 60.00
	VAC-810C	240V VAC 1.5 Hour Desktop Charger required for the FNB-V67Li High Capacity Battery.	$ 60.00
Stock	VCM-1	Vehicular Charger Mounting Adaptor Kit for VAC-800/801	$ 60.00
Stock	VCM-3	Vehicular Charger Mounting Adaptor Kit for VAC-10/VAC-20	$ 60.00
		Programming and Installation	

	Model	Description	List Price
Stock	CT-106	Programming pigtail for USB setup-FIF-12 required as well	$ 40.00
	CT-27A	Radio to radio cloning cable	$ 14.00
Stock	CT-42	Computer to Radio Serial Port/DB9 Programming Cables. (Contains CT-28 + CT-29)	$ 79.00
Stock	FIF-12	FIF-12 USB Interface for PC programming. Check specific models for additional cable pigtails. Pigtails not included.	$ 150.00
	Headsets and Surveillance		
	Model	**Description**	**List Price**
Stock	FEP-10	Light Duty Earphone	$ 11.00
Stock	MH-37A4B	Earpiece Microphone, Light Duty	$ 40.00
Stock	P3500V	D-Ring Earpiece with in-line Push to Talk	$ 34.00
Stock	P4500V	Over the Ear Swivel with in-line Push to Talk	$ 38.00
Stock	S9500V	Single Wire Surveillance Earpiece with inline Push to Talk	$ 44.00
	VC-25	VOX Headset with Boom Mic	$ 84.00
	VH-110S	Dual Muff Heavy Duty Headset	$ 540.00
	VH-115S	Lightweight Headset with Boom Mic	$ 55.00
	VH-120S	3 Wire Mini Lapel Mic Surveillance Kit	$ 185.00
	VH-130S	2 Wire Palm PTT Surveillance Kit	$ 150.00
	VH-215S	Lightweight Padded Headset, Single Speaker	$ 121.00
	VH-225S	Dual Muff Padded Headset	$ 137.00
	Signaling		
	Model	**Description**	**List Price**
Stock	DVS-5	Digital Voice Storage Board (120 sec. max.)	$ 50.00
	FVP-25	Encryption Unit (Band Inversion Type) and DTMF Paging. (requires FIF-7 if installed into the VX-4000/VX-5500/VX-6000)	$ 60.00
	FVP-35	Plug-in Rolling Code Encryption. (Requires FIF-7 if installed into the VX-4000/VX-5500/VX-6000. Requires VX MPI for programming)	$ 346.00
Stock	VMDE-200	Board for MDC1200 Encode/Decode	$ 127.79

Stock	VME-100	Board for MDC1200 Digital ANI	$ 69.31
Speaker Microphones			
	Model	**Description**	**List Price**
Stock	MH-360S	Compact Speaker Microphone-Very similar to the MH-34D4B.	$ 21.00
Stock	MH-450S	Medium Duty Remote Speaker Microphone	$ 26.67
Stock	MH-45B4B	Heavy Duty Noise Canceling Speaker Microphone-Intrinsically Safe	$ 82.00

VX-450

Stock	Model	Description	List Price
	VHF		
Stock	VX-451-D0 Basic Pkg-1	FNB-V112LI 1170 mAh LiIon Battery, ATV-16B, & VAC-450B Rapid Charger	$ 320.00
Stock	VX-451-D0 High Pkg-1	FNB-V113LI 2400 mAh LiIon Battery, ATV-16B, & VAC-450B Rapid Charger	$ 350.00
Stock	VX-454-D0 Basic Pkg-1	FNB-V112LI 1170 mAh LiIon Battery, ATV-16B, & VAC-450B Rapid Charger	$ 380.00
Stock	VX-454-D0 High Pkg-1	FNB-V113LI 2400 mAh LiIon Battery, ATV-16B, & VAC-450B Rapid Charger	$ 410.00
Stock	VX-459-D0 Basic Pkg-1	FNB-V112LI 1170 mAh LiIon Battery, ATV-16B, & VAC-450B Rapid Charger	$ 440.00
Stock	VX-459-D0 High Pkg-1	FNB-V113LI 2400 mAh LiIon Battery, ATV-16B, & VAC-450B Rapid Charger	$ 470.00
	UHF		
Stock	VX-451-G7 Basic Pkg-1	FNB-V112LI 1170 mAh LiIon Battery, ATU-16D, & VAC-450B Rapid Charger	$ 320.00
	VX-451-G6 Basic Pkg-1	FNB-V112LI 1170 mAh LiIon Battery, ATU-16C, & VAC-450B Rapid Charger	$ 320.00
Stock	VX-451-G7 High Pkg-1	FNB-V113LI 2400 mAh LiIon Battery, ATU-16D, & VAC-450B Rapid Charger	$ 350.00
	VX-451-G6 High Pkg-1	FNB-V113LI 2400 mAh LiIon Battery, ATU-16C, & VAC-450B Rapid Charger	$ 350.00
Stock	VX-454-G7 Basic Pkg-1	FNB-V112LI 1170 mAh LiIon Battery, ATU-16D, & VAC-450B Rapid Charger	$ 380.00
	VX-454-G6 Basic Pkg-1	FNB-V112LI 1170 mAh LiIon Battery, ATU-16C, & VAC-450B Rapid Charger	$ 380.00
Stock	VX-454-G7 High Pkg-1	FNB-V113LI 2400 mAh LiIon Battery, ATU-16D, & VAC-450B Rapid Charger	$ 410.00
	VX-454-G6 High Pkg-1	FNB-V113LI 2400 mAh LiIon Battery, ATU-16C, & VAC-450B Rapid Charger	$ 410.00
Stock	VX-459-G7 Basic Pkg-1	FNB-V112LI 1170 mAh LiIon Battery, ATU-16D, & VAC-450B Rapid Charger	$ 440.00
	VX-459-G6 Basic Pkg-1	FNB-V112LI 1170 mAh LiIon Battery, ATU-16C, & VAC-450B Rapid Charger	$ 440.00
Stock	VX-459-G7 High Pkg-1	FNB-V113LI 2400 mAh LiIon Battery, ATU-16D, & VAC-450B Rapid Charger	$ 470.00
	VX-459-G6 High Pkg-1	FNB-V113LI 2400 mAh LiIon Battery, ATU-16C, & VAC-450B Rapid Charger	$ 470.00

Antennas

	Model	Description	List Price
	ATU-16B	VX-450 UHF Antenna (400-420 MHz)	$14.00
	ATU-16BS	VX-450 UHF Stubby Antenna (400-430 MHz)	$14.00
	ATU-16C	VX-450 UHF Antenna (420-450 MHz)	$14.00
Stock	ATU-16D	VX-450 UHF Antenna (450-470 MHz)	$14.00
Stock	ATU-16DS	VX-450 UHF Stubby Antenna (450-470 MHz)	$14.00
	ATU-16F	VX-450 UHF Antenna (470-512 MHz)	$14.00
	ATV-16A	VX-450 VHF Antenna (136-150 MHz)	$14.00
Stock	ATV-16B	VX-450 VHF Antenna (150-162 MHz)	$14.00
	ATV-16C	VX-450 VHF Antenna (162-174 MHz)	$14.00
	ATV-16XL	VHF Untuned Antenna	$14.00

Alignment/Service Related

	Model	**Description**	**List Price**
	CT-124B	Firmware Cable. Requires FIF-10A/FIF-12	$ 60.00

Batteries

	Model	**Description**	**List Price**
Stock	FNB-V112LI	7.4 Volt 1170 mAh Li-ion Battery Pack	$ 40.00
Stock	FNB-V113LI	7.4 Volt 2400 mAh Li-ion Battery Pack	$ 70.00

Belt Clips

	Model	**Description**	**List Price**
Stock	CLIP-20	VX-450 Series Belt Clip	$ 10.00

Cases

	Model	**Description**	**List Price**
	LCC-451	Leather Carry Case for Basic FNB-V112LI Battery-Belt Loop Style	$ 32.00
	LCC-451H	Leather Carry Case for High FNB-V113LI Battery-Belt Loop Style	$ 32.00
	LCC-451S	Leather Carry Case for Basic FNB-V112LI Battery-Swivel Belt Clip Style	$ 42.00
	LCC-451SH	Leather Carry Case for High FNB-V113LI Battery-Swivel Belt Clip Style	$ 42.00
	LCC-454/459	Leather Carry Case for Basic FNB-V112LI Battery-Belt Loop Style	$ 32.00
	LCC-454/459H	Leather Carry Case for High FNB-V113LI Battery-Belt Loop Style	$ 32.00
	LCC-454/459S	Leather Carry Case for Basic FNB-V112LI Battery-Swivel Belt Clip Style	$ 42.00
	LCC-454/459SH	Leather Carry Case for High FNB-V113LI Battery-Swivel Belt Clip Style	$ 42.00

Charger

	Model	**Description**	**List Price**
Stock	TWC6ML-45	Sitech 6 Unit Charger	$ 349.00
Stock	VAC-450B	Rapid Rate Desktop Charger (PA5B/CD-49)	$ 36.00
	VAC-450C	240VAC rapid Desktop charger	$ 36.00
Stock	VAC-6450B	VAC-6450B 6 Unit Charger	$ 450.00
	VAC-6450C	240VAC 6 Unit Charger	$ 450.00
Stock	VCM-4	Vehicular Charger Mounting Adapter Kit for VAC-450	$ 60.00

Programming and Installation

	Model	**Description**	**List Price**
Stock	CT-106	Programming pigtail for USB setup-FIF-12 required as well	$ 40.00
	CT-153	Portable-Mobile Clone Lead	$ 50.00
	CT-27A	Radio to radio cloning cable	$ 14.00

Stock	FIF-12	FIF-12 USB Interface for PC programming. Check specific models for additional cable pigtails. Pigtails not included.	$ 150.00
Headsets and Surveillance			
	Model	**Description**	**List Price**
Stock	FEP-10	Light Duty Earphone	$ 11.00
Stock	MH-37A4B	Earpiece Microphone, Light Duty	$ 40.00
	MH-81A4B	Voice Activated Headset-Submersible	$ 160.00
Stock	P3500V	D-Ring Earpiece with in-line Push to Talk	$ 34.00
Stock	P4500V	Over the Ear Swivel with in-line Push to Talk	$ 38.00
Stock	S9500V	Single Wire Surveillance Earpiece with inline Push to Talk	$ 44.00
	VC-25	VOX Headset with Boom Mic	$ 84.00
	VH-110S	Dual Muff Heavy Duty Headset	$ 540.00
	VH-115S	Lightweight Headset with Boom Mic	$ 55.00
	VH-120S	3 Wire Mini Lapel Mic Surveillance Kit	$ 185.00
	VH-130S	2 Wire Palm PTT Surveillance Kit	$ 150.00
	VH-215S	Lightweight Padded Headset, Single Speaker	$ 121.00
	VH-225S	Dual Muff Padded Headset	$ 137.00
Miscellaneous			
	Model	**Description**	**List Price**
Stock	CSS-450	Channel Selector Stopper Kit	$ 8.00
Signaling			
	Model	**Description**	**List Price**
Stock	DVS-8	Digital Voice Storage Unit	$ 50.00
Stock	DVS-9	Man Down Board, Voice Storage Unit	$ 100.00
	FVP-44	Rolling Code Encryption Unit	$ 346.00
Speaker Microphones			
	Model	**Description**	**List Price**
Stock	MH-360S	Compact Speaker Microphone-Very similar to the MH-34D4B.	$ 21.00
Stock	MH-450S	Medium Duty Remote Speaker Microphone	$ 26.67
Stock	MH-45B4B	Heavy Duty Noise Canceling Speaker Microphone-Intrinsically Safe	$ 82.00
Stock	MH-66A4B	IP57 Submersible Remote Speaker Mic	$ 92.00

VX-510 Discontinued

Stock	Model	Description	List Price
Discontinued	VX-510LA Pkg-1	Lowband Portable with CLIP-4, FNB-29A NiCad Battery and ATL-1A 30-36MHz Antenna-Charger not included	$ 628.33
Discontinued	VX-510LB Pkg-1	Lowband Portable with CLIP-4, FNB-29A NiCad Battery and ATL-1B 38-42MHz Antenna-Charger not included	$ 628.33
Discontinued	VX-510LB Pkg-2	Lowband Portable with CLIP-4, FNB-29A NiCad Battery and ATL-1C 42-50MHz Antenna-Charger not included	$ 628.33

Antennas

	Model	Description	List Price
	ATL-1A	Antenna 30-36 MHz /10.5"	$ 32.00
	ATL-1B	Antenna 36-42 MHz / 10.5"	$ 32.00
	ATL-1C	Antenna 42-50 MHz / 10.5"	$ 32.00

Batteries

	Model	Description	List Price
	FNB-29A	7.2 V, 1700 mAh Ni-Cd Battery	$ 100.00

Cases

	Model	Description	List Price
	CLIP-4	Belt Clip	$ 11.00
	LCC-500	Leather Case with Belt Loop	$ 42.00

Charger

	Model	Description	List Price
Stock	VAC-520B	120 VAC 1-Hour Rapid Desktop Charger	$ 76.00
	VAC-520C	240 VAC 1-Hour Rapid Desktop Charger	$ 76.00
	VAC-6520B	120 VAC 6 Unit Multi Charger	$ 575.00
	VAC-6520C	240 VAC 6 Unit Multi Charger	$ 575.00
Stock	VCM-1	Vehicular Charger Mounting Adaptor Kit for VAC-520	$ 60.00

Programming and Installation

	Model	Description	List Price
	CN-1A	Antenna Jack Test Connector	$ 42.00
Discontinued	INST-DTMF	Factory DTMF Keyboard Installation	$ 53.00
Stock	VX VPL-1	Programming cable from PC. Check specific models for additional cable pigtails.	$ 87.00

Signaling

	Model	Description	List Price
Discontinued	FTE-19	ANI Board (DTMF or 5 Tone Format) CT-43A Required to Program	$ 31.00
Discontinued	FTT-7D	DTMF Keypad with Decode Function	$ 98.00
Discontinued	FVP-22	Encryption Unit Band Inversion Type	$ 118.00

Speaker Microphones

	Model	Description	List Price
	MH-45A2B	Speaker Microphone, Heavy Duty Public Safety Style w/Volume Switch	$ 83.00

VX-530 Discontinued			
Stock	**Model**	**Description**	**List Price**
ISVX-829/929	ISVX-537-4-5 16 Key	450-490 Mhz 16 key Intrinsically Safe radio-FNB-29AIS included only	$ 784.00
ISVX-821/921	ISVX-537-4-5	450-490 Mhz Intrinsically Safe radio-FNB-29AIS included only	$ 761.00
VX-821/921	VX-537-4-5	450-490 Mhz No Keyboard-Radio Only	$ 617.00
VX-829/929	VX-537-4-5 16 Key	450-490 Mhz 16 key-Radio Only	$ 640.00
Antennas			
	Model	**Description**	**List Price**
	ATU-5D	450-470 MHZ / RED / 6.5"	$ 13.00
	ATU-5DS	450-470 MHZ / BLACK / 3"	$ 14.00
	CN-7	BNC Connector for VX-537	$ 42.00
Batteries			
	Model	**Description**	**List Price**
	FBA-19	Alkaline Battery Case (Requires 6 AA Cells)	$ 39.00
Stock	FNB-29A	7.2 V 1700 mAh Ni-Cd Battery	$ 100.00
	FNB-29AIS	7.2 V 1700 mAh Ni-Cd Battery, Intrinsically Safe Version	$ 125.00
Belt Clip			
	Model	**Description**	**List Price**
	CLIP-4A	Standard Belt Clip	$ 11.00
Cases			
	Model	**Description**	**List Price**
	LCC-530S	Leather Case with Swivel	$ 75.00
	LCS-2	Swivel Attachment for Leather Case	$ 21.00

	SBC-1	Swivel Belt Adapter (requires LCS-2)	$ 20.00
Charger			
	Model	**Description**	**List Price**
Stock	VAC-520B	120V VAC 1-Hour Rapid Desktop Charger	$ 76.00
	VAC-520C	240V VAC 1-Hour Rapid Desktop Charger	$ 76.00
	VAC-6520B	120V VAC 6 Unit Multi Charger	$ 575.00
	VAC-6520C	240V VAC 6 Unit Multi Charger	$ 575.00
Stock	VCM-1	Vehicular Charger Mounting Adaptor Kit for VAC-520	$ 60.00
Programming and Installation			
	Model	**Description**	**List Price**
	CT-105	Programming pigtail for USB setup-FIF-12 required as well	$ 60.00
	CT-70	Radio Programming Cable (Requires VX VPL-1 Cable)	$ 63.00
	CT-72	Cloning Cable (Set-to-Set Clone)	$ 68.00
Stock	FIF-12	FIF-12 USB Interface for PC programming. Check specific models for additional cable pigtails. Pigtails not included.	$ 150.00
Stock	VX VPL-1	Programming cable from PC. Requires CT-70 for programming	$ 87.00
Signaling			
	Model	**Description**	**List Price**
Discontinued	F2D-8	Two-Tone Decoder. (requires FIF-7 if used on the VX-4000 / VX-5500 / VX-6000)	$ 102.00
Discontinued	F5D-14	Five-Tone Enc/Dec Unit. (requires FIF-7 if used on the VX-4000 / VX-5500 / VX-6000)	$ 202.00
	FVP-25	Encryption Unit (Band Inversion Type) and DTMF Paging. (requires FIF-7 if installed into the VX-4000/VX-5500/VX-6000)	$ 60.00
Stock	VMDE-200	Board for MDC1200 Encode/Decode	$ 127.79

Stock	VME-100	Board for MDC1200 Digital ANI	$ 69.31
Speaker Microphones			
	Model	**Description**	**List Price**
	MH-50C7A	Speaker Microphone	$ 94.00

VX-820			
Stock	**Model**	**Description**	**List Price**
	ISVX-821-D0-5 PKG-1	VX-821 Series Intrinsically Safe Portable 5W, 150-174MHz, 16CH, w/FNB-V92LIIS 3000mAH Battery. ORDER ANTENNA AND CHARGER SEPARATELY	$728.67
	ISVX-821-G6-5 PKG-1	VX-821 Series Intrinsically Safe Portable 5W, 400-470MHz, 512CH, w/FNB-V92LIIS 3000mAH Battery. ORDER ANTENNA AND CHARGER SEPARATELY	$744.67
	ISVX-821-G7-5 PKG-1	VX-821 Series Intrinsically Safe Portable 5W, 450-512MHz, 16CH, w/FNB-V92LIIS 3000mAH Battery. ORDER ANTENNA AND CHARGER SEPARATELY	$744.67
	ISVX-824-D0-5 PKG-1	VX-824 Series Intrinsically Safe Portable 5W, 150-174MHz, 512CH, w/FNB-V92LIIS 3000mAH Battery. ORDER ANTENNA AND CHARGER SEPARATELY	$770.67
	ISVX-824-G6-5 PKG-1	VX-824 Series Intrinsically Safe Portable 5W, 400-470MHz, 512CH, w/FNB-V92LIIS 3000mAH Battery. ORDER ANTENNA AND CHARGER SEPARATELY	$786.67
	ISVX-824-G7-5 PKG-1	VX-824 Series Intrinsically Safe Portable 5W, 450-512MHz, 512CH, w/FNB-V92LIIS 3000mAH Battery. ORDER ANTENNA AND CHARGER SEPARATELY	$786.67
	ISVX-829-D0-5 PKG-1	VX-829 Series Intrinsically Safe Portable 5W, 150-174MHz, 512CH, w/FNB-V92LIIS 3000mAH Battery. ORDER ANTENNA AND CHARGER SEPARATELY	$800.67
	ISVX-829-G6-5 PKG-1	VX-829 Series Intrinsically Safe Portable 5W, 400-470MHz, 512CH, w/FNB-V92LIIS 3000mAH Battery. ORDER ANTENNA AND CHARGER SEPARATELY	$816.67
	ISVX-829-G7-5 PKG-1	VX-829 Series Intrinsically Safe Portable 5W, 450-512MHz, 512CH, w/FNB-V92LIIS 3000mAH Battery. ORDER ANTENNA AND CHARGER SEPARATELY	$816.67
	VX-821-D0-5 PKG-1	VX-821 Series Portable 5W, 150-162MHz, 16CH, w/FNB-V87LI 2300mAH Battery & ATV-8B Antenna-Charger not included	$602.00
	VX-821-D0-5 PKG-2	VX-821 Series Portable 5W, 162-174MHz, 16CH, w/FNB-V87LI 2300mAH Battery & ATV-8C Antenna-Charger not included	$602.00

	VX-821-G6-5 PKG-1	VX-821 Series Portable 5W, 400-470MHz 512CH, w/FNB-V87LI 2300mAH Battery & ATU-6A Antenna (Antenna range 410 - 430 MHz)-Charger not included	$618.00
Stock	VX-821-G7-5 PKG-1	VX-821 Series Portable 5W, 450-485MHz (or 512MHz w/special antenna or trim ATU-6D), 16CH, w/FNB-V87LI 2300mAH Battery & ATU-6D Antenna-Charger not included	$618.00
	VX-824-D0-5 PKG-1	VX-824 Series Portable 5W, 150-162MHz, 512CH, w/FNB-V87LI 2300mAH Battery & ATV-8B Antenna-Charger not included	$644.00
	VX-824-D0-5 PKG-2	VX-824 Series Portable 5W, 162-174MHz, 512CH, w/FNB-V87LI 2300mAH Battery & ATV-8C Antenna-Charger not included	$644.00
	VX-824-G6-5 PKG-1	VX-824 Series Portable 5W, 400-470MHz 512CH, w/FNB-V87LI 2300mAH Battery & ATU-6A Antenna (Antenna range 410 - 430 MHz)-Charger not included	$660.00
Stock	VX-824-G7-5 PKG 1	VX-824 Series Portable 5W, 450-485MHz (or 512MHz w/special antenna or trim ATU-6D), 512CH, w/FNB-V87LI 2300mAH Battery & ATU-6D Antenna-Charger not included	$660.00
	VX-829-D0-5 PKG-1	VX-829 Series Portable 5W, 150-162MHz, 512CH, w/FNB-V87LI 2300mAH Battery & ATV-8B Antenna-Charger not included	$674.00
	VX-829-D0-5 PKG-2	VX-829 Series Portable 5W, 150-162MHz, 512CH, w/FNB-V87LI 2300mAH Battery & ATV-8C Antenna-Charger not included	$674.00
	VX-829-G6-5 PKG-1	VX-829 Series Portable 5W, 400-470MHz 512CH, w/FNB-V87LI 2300mAH Battery & ATU-6A Antenna (Antenna range 410 - 430 MHz)-Charger not included	$690.00
Stock	VX-829-G7-5 PKG-1	VX-829 Series Portable 5W, 450-485MHz (or 512MHz w/special antenna or trim ATU-6D), 512CH, w/FNB-V87LI 2300mAH Battery & ATU-6D Antenna-Charger not included	$690.00

Alignment/Service Related

	Model	**Description**	**List Price**
	CN-3	SMA to BNC Adaptor	$ 11.00
	CT-110	Firmware writing cable (For use with the FIF-8)	$ 65.00
	CT-115	Programming cable pigtail only (requires VPL-1)	$ 63.00

Alkaline Battery Cases

	Model	Description	List Price
	FBA-34	Alkaline Battery Case VX-820/920 series	$ 45.00

Antennas

	Model	Description	List Price
Stock	ATU-6A	Antenna 410-430 MHZ / 6"	$ 14.00
	ATU-6AS	Antenna 410-430 MHZ / 3.5"	$ 14.00
Stock	ATU-6D	Antenna 450-485 MHZ / RED / 6"	$ 14.00
Stock	ATU-6DS	Antenna 450-485 MHz / 3.5"	$ 14.00
	ATU-6F	Antenna 470 - 512 MHz / 5.5"	$ 13.00
	ATV-10A	High Gain antenna, 145-155MHz (Red) / 10.5"	$ 16.00
Stock	ATV-10B	High Gain antenna, 150-160MHz (Brn) / 10.5"	$ 16.00
Stock	ATV-10C	High Gain antenna, 155-165MHz (Blk) / 10.5"	$ 16.00
Stock	ATV-10E	High Gain antenna, 165-175MHz (Org) / 10.5"	$ 16.00
	ATV-6A	Antenna 134-151 MHz / 4"	$ 13.00
Stock	ATV-6B	Antenna 150-163 MHz / 3.5"	$ 15.00
	ATV-6C	Antenna 161-174 MHz / 3.5"	$ 13.00
Stock	ATV-6XL	7" untuned VHF antenna	$ 14.00
	ATV-8A	Antenna 134-150 MHz / Sable / 6"	$ 14.00
Stock	ATV-8B	Antenna 150-163 MHz / Sable / 6"	$ 14.00
Stock	ATV-8C	Antenna 162-174 MHz / Sable / 6"	$ 14.00

Batteries

	Model	Description	List Price
	FNB-V86LI	7.4V 1380mAh Li-ion Battery	$ 64.00
Stock	FNB-V87LI	7.4V 2300mAh Li-ion Battery	$ 80.00
Stock	FNB-V92LI	7.4V 3000mAh Li-ion Battery	$ 140.00
Stock	FNB-V92LIIS	7.4V 3000mAH Intrinsically Safe Li-ion Battery	$ 160.00

Belt Clip

	Model	Description	List Price

Stock	CLIP-17B	Swivel Belt Clip	$ 16.00
	CLIP-820	Belt Clip	$ 10.00
Cases			
	Model	**Description**	**List Price**
	LCC-820	Leather case with Belt Loop	$ 32.00
	LCC-820H	Leather case with belt loop. For use with VX-821/P821 and FNB - V92LI (and IS) battery.	$ 32.00
	LCC-820S	Leather Case with Swivel and Belt Loop	$ 42.00
	LCC-820S/TT	Leather Case w/Swivel, Belt Loop and Keyboard Opening	$ 42.00
	LCC-820SH	Leather case with D Swivel. For use with VX-821/P821 and FNB - V92LI (and IS) battery.	$ 42.00
Stock	LCC-820SH/TT	Leather case with D swivel. For use with VX-829/P829 and FNB - V92LI (and IS) battery.	$ 42.00
LCC-820 LCC-820H Replaced	LCC-820H/4K	Leather case with belt loop. For use with VX-824/P824 and FNB - V92LI (and IS) battery.	$ 32.00
LCC-820SH/TT Replaced	LCC-820SH/4K	Leather case with D swivel. For use with VX-824/P824 and FNB - V92LI (and IS) battery.	$ 42.00
LCC-820SH Replaced	LCC-820SN1C	Nylon Case, Swivel Clip, No Window for VX-821/871 & VX-P821/871 Series. Works with any of our rechargeable battery packs even the 3000mAh FNB-V92LI (and LIIS) !	$ 30.00
LCC-820SH Replaced	LCC-820SN1D	Nylon Case, D Swivel, Leather Belt Loop, No Window for VX-821/871 & VX-P821/P871 series. Works with any of our rechargeable battery packs even the 3000mAh FNB-V92LI (and LIIS)	$ 36.00
LCC-820SH/TT Replaced	LCC-820SN2C	Nylon Case, Swivel Clip, 1/2 Window for VX-824/874 & VX-P824/P874 Series. Works with any of our rechargeable battery packs even the 3000mAh FNB-V92LI (and LIIS)	$ 30.00

LCC-820SH/TT Replaced	LCC-820SN2D	Nylon Case. Metal D Swivel / Leather Belt Loop, 1/2 Window for VX-824/874 & VX-P824/P874 Series. Works with any of our rechargeable battery packs even the 3000mAh FNB-V92LI (and LIIS)	$ 36.00
LCC-820SH/TT Replaced	LCC-820SN3C	Nylon Case, Swivel Clip, Full Window for VX-829/879 & VX-P829/P879 Series. Works with any of our rechargeable battery packs even the 3000mAh FNB-V92LI (and LIIS)	$ 30.00
LCC-820SH/TT Replaced	LCC-820SN3D	Nylon Case, Metal D Swivel, Leather Belt Loop, Full Window for VX-829/879 & VX-P829/P879 Series. Works with any of our rechargeable battery packs even the 3000mAh FNB-V92LI (and LIIS)	$ 36.00

Charger

	Model	Description	List Price
Stock	VAC-6920B	120V 6 unit Multi-Rapid Charger with US power cable	$ 575.00
	VAC-6920C	240V 6 unit Multi-Rapid Charger with Euro power cable	$ 575.00
Stock	VAC-921B	120 VAC Desk top rapid charger	$ 64.00
	VAC-921C	240 VAC Desk top rapid charger	$ 64.00
Stock	VCM-2	Vehicular Charger Mounting Adapter Kit for VAC-920-CD-31 charging tray required	$ 60.00

Headsets and Surveillance

	Model	Description	List Price
	VH-111	Heavy Duty, Dual Muff, Over the head style, with Boom Mic	$ 400.00
	VH-115L	Behind the Head, Lightweight	$ 98.00
	VH-121	3 Wire Mini Lapel Mic Surveillance Kit	$ 215.00
	VH-131	2-Wire Palm Kit	$ 187.00

Programming and Installation

	Model	Description	List Price
Stock	CT-108	Programming pigtail for USB setup-FIF-12 required as well	$ 65.00
Stock	CT-109	PC Programming kit (Contains a VPL-1 programming cable and adaptor for the new VX-820/920 portables)	$ 112.00

	CT-116	Radio to Radio Programming Cable	$ 65.00
Stock	FIF-12	FIF-12 USB Interface for PC programming. Check specific models for additional cable pigtails. Pigtails not included.	$ 150.00
Signaling			
	Model	**Description**	**List Price**
	DVS-5	Digital Voice Storage Board (120 sec. max.)	$ 50.00
	FVP-25	Encryption Unit (Band Inversion Type) and DTMF Paging. (requires FIF-7 if installed into the VX-4000/VX-5500/VX-6000)	$ 60.00
	FVP-35	Plug-in Rolling Code Encryption. (Requires FIF-7 if installed into the VX-4000/VX-5500/VX-6000. Requires VX MPI for programming)	$ 346.00
	FVP-36	Encryption Unit (Band Inversion Type)	$ 40.00
Stock	VMDE-200	Board for MDC1200 Encode/Decode	$ 127.79
Stock	VME-100	Board for MDC1200 Digital ANI	$ 69.31
Speaker Microphones			
	Model	**Description**	**List Price**
Stock	MH-50D7A	Public Safety Speaker Microphone with toggle, MIL-STD Rated	$ 94.00
Stock	MH-66A7A	MH-66A7A Submersible Noise Canceling Speaker Microphone	$ 92.00
	MH-66B7A	MH-66B7A Submersible Speaker Microphone with 2 Programmable Function Keys and Audio Attenuator Switch.	$ 180.00

VX-920			
Stock	**Model**	**Description**	**List Price**
	ISVX-921-D0-5 PKG-1	VX-921 Series Intrinsically Safe Portable 5W, 150-174MHz, 48CH, w/FNB-V92LIIS 3000mAH Battery. ORDER ANTENNA SEPARATELY AND CHARGER SEPARATELY	$ 712.67
	ISVX-921-G7-5 PKG-1	VX-921 Series Intrinsically Safe Portable 5W, 450-512MHz, 48CH, w/FNB-V92LIIS 3000mAH Battery. ORDER ANTENNA SEPARATELY AND CHARGER SEPARATELY	$ 728.67
	ISVX-924-D0-5 PKG-1	VX-924 Series Intrinsically Safe Portable 5W, 150-174MHz, 512CH, w/FNB-V92LIIS 3000mAH Battery. ORDER ANTENNA SEPARATELY AND CHARGER SEPARATELY	$ 754.67
	ISVX-924-G7-5 PKG-1	VX-924 Series Intrinsically Safe Portable 5W, 450-512MHz, 512CH, w/FNB-V92LIIS 3000mAH Battery. ORDER ANTENNA SEPARATELY AND CHARGER SEPARATELY	$ 770.67
	VX-921-D0-5 PKG-1	VX-921 Series Portable 5W, 150-162MHz, 48CH, w/FNB-V87LI 2300mAH Battery & ATV-8B Antenna-Charger not included	$ 586.00
	VX-921-D0-5 PKG-2	VX-921 Series Portable 5W, 162-174MHz, 48CH, w/FNB-V87LI 2300mAH Battery & ATV-8C Antenna-Charger not included	$ 586.00
	VX-921-G6-5 PKG-1	VX-921 Series Portable 5W, 400-470MHz (or 512MHz w/special antenna or trim ATU-6D), 48CH, w/FNB-V87LI 2300mAH Battery & ATU-6D Antenna-Charger not included	$ 602.00
	VX-921-G7-5 PKG-1	VX-921 Series Portable 5W, 450-485MHz (or 512MHz w/special antenna or trim ATU-6D), 48CH, w/FNB-V87LI 2300mAH Battery & ATU-6D Antenna-Charger not included	$ 602.00
Stock	VX-924-D0-5 PKG-1	VX-924 Series Portable 5W, 150-162MHz, 512CH, w/FNB-V87LI 2300mAH Battery & ATV-8B Antenna-Charger not included	$ 628.00

	VX-924-D0-5 PKG-2	VX-924 Series Portable 5W, 162-174MHz, 512CH, w/FNB-V87LI 2300mAH Battery & ATV-8C Antenna-Charger not included	$ 628.00
	VX-924-G6-5 PKG-1	VX-924 Series Portable 5W, 400-470MHz (or 512MHz w/special antenna or trim ATU-6D), 512CH, w/FNB-V87LI 2300mAH Battery & ATU-6D Antenna-Charger not included	$ 644.00
Stock	VX-924-G7-5 PKG-1	VX-924 Series Portable 5W, 450-485MHz (or 512MHz w/special antenna or trim ATU-6D), 512CH, w/FNB-V87LI 2300mAH Battery & ATU-6D Antenna-Charger not included	$ 644.00
VX-924 & VX-829 Replaced	ISVX-929-D0-5 PKG-1	VX-929 Series Intrinsically Safe Portable 5W, 150-174MHz, 512CH, w/FNB-V92LIIS 3000mAH Battery. ORDER ANTENNA SEPARATELY AND CHARGER SEPARATELY	$ 784.67
VX-924 & VX-829 Replaced	ISVX-929-G7-5 PKG-1	VX-929 Series Intrinsically Safe Portable 5W, 450-512MHz, 512CH, w/FNB-V92LIIS 3000mAH Battery. ORDER ANTENNA SEPARATELY AND CHARGER SEPARATELY	$ 800.67
VX-924 & VX-829 Replaced	VX-929-D0-5 PKG-1	VX-929 Series Portable 5W, 150-162MHz, 512CH, w/FNB-V87LI 2300mAH Battery & ATV-8B Antenna-Charger not included	$ 658.00
VX-924 & VX-829 Replaced	VX-929-D0-5 PKG-2	VX-929 Series Portable 5W, 162-174MHz, 512CH, w/FNB-V87LI 2300mAH Battery & ATV-8C Antenna-Charger not included	$ 658.00
VX-924 & VX-829 Replaced	VX-929-G6-5 PKG-1	VX-929 Series Portable 5W, 400-470MHz, 512CH, w/FNB-V87LI 2300mAH Battery & ATU-6A Antenna-Charger not included	$ 674.00
VX-924 & VX-829 Replaced	VX-929-G7-5 PKG-1	VX-929 Series Portable 5W, 450-485MHz (or 512MHz w/special antenna or trim ATU-6D), 512CH, w/FNB-V87LI 2300mAH Battery & ATU-6D Antenna-Charger not included	$ 674.00
Alignment/Service Related			
	Model	**Description**	**List Price**

	CN-3	SMA to BNC Adaptor	$ 11.00
	CT-110	Firmware writing cable (For use with the FIF-8)	$ 65.00
	CT-115	Programming cable pigtail only (requires VPL-1)	$ 63.00
Alkaline Battery Cases			
	Model	**Description**	**List Price**
	FBA-34	Alkaline Battery Case VX-820/920 series	$ 45.00
Antennas			
	Model	**Description**	**List Price**
Stock	ATU-6A	Antenna 410-430 MHZ / 6"	$ 14.00
	ATU-6AS	Antenna 410-430 MHZ / 3.5"	$ 14.00
Stock	ATU-6D	Antenna 450-485 MHZ / RED / 6"	$ 14.00
Stock	ATU-6DS	Antenna 450-485 MHz / 3.5"	$ 14.00
	ATU-6F	Antenna 470 - 512 MHz / 5.5"	$ 13.00
	ATV-10A	High Gain antenna, 145-155MHz (Red) / 10.5"	$ 16.00
Stock	ATV-10B	High Gain antenna, 150-160MHz (Brn) / 10.5"	$ 16.00
Stock	ATV-10C	High Gain antenna, 155-165MHz (Blk) / 10.5"	$ 16.00
Stock	ATV-10E	High Gain antenna, 165-175MHz (Org) / 10.5"	$ 16.00
	ATV-6A	Antenna 134-151 MHz / 4"	$ 13.00
Stock	ATV-6B	Antenna 150-163 MHz / 3.5"	$ 15.00
	ATV-6C	Antenna 161-174 MHz / 3.5"	$ 13.00
Stock	ATV-6XL	7" untuned VHF antenna	$ 14.00
	ATV-8A	Antenna 134-150 MHz / Sable / 6"	$ 14.00
Stock	ATV-8B	Antenna 150-163 MHz / Sable / 6"	$ 14.00
Stock	ATV-8C	Antenna 162-174 MHz / Sable / 6"	$ 14.00
Batteries			
	Model	**Description**	**List Price**
	FNB-V86LI	7.4 V 1380mAh Li-ion Battery	$ 64.00
Stock	FNB-V87LI	7.4V 2300mAh Li-ion Battery	$ 80.00
Stock	FNB-V92LI	7.4V 3000mAh Li-ion Battery	$ 140.00
Stock	FNB-V92LIIS	7.4V 3000mAH Intrinsically Safe Li-ion Battery	$ 160.00

Belt Clip			
	Model	**Description**	**List Price**
	CLIP-17A	Swivel Belt Clip	$ 16.00
	CLIP-920	Belt Clip	$ 10.00
Cases			
	Model	**Description**	**List Price**
	LCC-920H	Leather case with belt loop. For use with VX-921/P921 and FNB - V92LI (and IS) battery.	$ 32.00
	LCC-920TT	Leather Case w/Belt Loop and Keypad Cut-out	$ 32.00
	LCC-920H/TT	Leather case with belt loop. For use with VX-929/P929 and FNB - V92LI (and IS) battery.	$ 32.00
	LCC-920S	Leather Case with Swivel and Belt Loop	$ 42.00
	LCC-920S/TT	Leather case w/ Swivel Clip and Keyboard Cut-Out	$ 42.00
	LCC-920SH	Leather case with D Swivel. For use with VX-921/P921 and FNB - V92LI (and IS) battery.	$ 42.00
Stock	LCC-920SH/TT	Leather case with D swivel. For use with VX-929/P929 and FNB - V92LI (and IS) battery.	$ 42.00
LCC-920SH/TT Replaced	LCC-920SH/4K	Leather case with D swivel. For use with VX-924/P924 and FNB - V92LI (and IS) battery.	$ 32.00
LCC-920SH Replaced	LCC-920SN1C	Nylon Case, Swivel Clip, No Window for VX-921/971 & VX-P921/971 Series. Works with any of our rechargeable battery packs even the 3000mAh FNB-V92LI (and LIIS)!	$ 30.00
LCC-920SH Replaced	LCC-920SN1D	Nylon Case, Metal D Swivel, Leather Belt Loop, No Window for VX-921/971 & VX-P921/P971 Series. Works with any of our rechargeable battery packs even the 3000mAh FNB-V92LI (and LIIS)	$ 36.00
LCC-920SH/TT Replaced	LCC-920SN2C	Nylon Case, Swivel Clip, 1/2 Window for VX-924/974 & VX-P924/P974 Series. Works with any of our rechargeable battery packs even the 3000mAh FNB-V92LI (and LIIS)	$ 30.00

LCC-920SH/TT Replaced	LCC-920SN2D	Nylon Case, Metal D Swivel, Leather Belt Loop, 1/2 Window for VX-924/974 & VX-P924/P974 Series. Works with any of our rechargeable battery packs even the 3000mAh FNB-V92LI (and LIIS)	$ 36.00
LCC-920SH/TT Replaced	LCC-920SN3C	Nylon Case, Swivel Clip, Full Window for VX-929/979 & VX-P929/P979 Series. Works with any of our rechargeable battery packs even the 3000mAh FNB-V92LI (and LIIS)	$ 30.00
LCC-920SH/TT Replaced	LCC-920SN3D	Nylon Case, Metal D swivel, Leather Belt Loop, Full Window for VX-929/979 & VX-P929/P979 Series. Works with any of our rechargeable battery packs even the 3000mAh FNB-V92LI (and LIIS)	$ 36.00
LCC-920H/TT Replaced	LCC-920H/4K	Leather case with belt loop. For use with VX-924/P924 and FNB - V92LI (and IS) battery.	$ 32.00
Charger			
	Model	**Description**	**List Price**
Stock	VAC-6920B	120V 6 unit Multi-Rapid Charger with US power cable	$ 575.00
	VAC-6920C	240V 6 unit Multi-Rapid Charger with Euro power cable	$ 575.00
Stock	VAC-921B	120 VAC Desk top rapid charger	$ 64.00
	VAC-921C	240 VAC Desk top rapid charger	$ 64.00
Stock	VCM-2	Vehicular Charger Mounting Adapter Kit for VAC-920-CD-31 charging tray required	$ 60.00
Headsets and Surveillance			
	Model	**Description**	**List Price**
	VH-111	Heavy Duty, Dual Muff, Over the head style, with Boom Mic	$ 400.00
	VH-115L	Behind the Head, Lightweight	$ 98.00
	VH-121	3 Wire Mini Lapel Mic Surveillance Kit	$ 215.00
	VH-131	2-Wire Palm Kit	$ 187.00
Programming and Installation			

	Model	Description	List Price
Stock	CT-108	Programming pigtail for USB setup-FIF-12 required as well	$ 65.00
Stock	CT-109	PC Programming kit (Contains a VPL-1 programming cable and adaptor for the new VX-820/920 portables)	$ 112.00
	CT-116	Radio to Radio Programming Cable	$ 65.00
Stock	FIF-12	FIF-12 USB Interface for PC programming. Check specific models for additional cable pigtails. Pigtails not included.	$ 150.00
Signaling			
	Model	**Description**	**List Price**
	DVS-5	Digital Voice Storage Board (120 sec. max.)	$ 50.00
	FVP-25	Encryption Unit (Band Inversion Type) and DTMF Paging. (requires FIF-7 if installed into the VX-4000/VX-5500/VX-6000)	$ 60.00
	FVP-35	Plug-in Rolling Code Encryption. (Requires FIF-7 if installed into the VX-4000/VX-5500/VX-6000. Requires VX MPI for programming)	$ 346.00
	FVP-36	Encryption Unit (Band Inversion Type)	$ 40.00
	SRX-3 D	Dual Band Rx module. Adds UHF Rx to VHF radio. 450 MHz ~ 512 MHz	$ 160.00
	SRX-4	Dual Band Rx module. Adds VHF Rx to UHF radio. 135 MHz ~ 174 MHz	$ 160.00
Stock	VMDE-200	Board for MDC1200 Encode/Decode	$ 127.79
Stock	VME-100	Board for MDC1200 Digital ANI	$ 69.31
Speaker Microphones			
	Model	**Description**	**List Price**
Stock	MH-50D7A	Public Safety Speaker Microphone with toggle, MIL-STD Rated	$ 94.00
Stock	MH-66A7A	MH-66A7A Submersible Noise Canceling Speaker Microphone	$ 92.00

	MH-66B7A	MH-66B7A Submersible Speaker Microphone with 2 Programmable Function Keys and Audio Attenuator Switch.	$ 180.00